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appendix L

Volume 3

An Architectural Study of Signal Processing Systems and Switched Networks

(Computer Listings and Runs)

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**Rockwell
International**

appendix L

Volume 3

An Architectural Study of Signal Processing Systems and Switched Networks

(Computer Listings and Runs)

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20. ABSTRACT (Continue on reverse side if necessary and identify by block number) A modular design process as applied to signal processing and switching systems is described. Architecture analysis, high order language evaluation and comparison, system simulation, and hardware/software tradeoffs were made in the context of modular design of signal processing and switching systems. The principal motivation for modular system design is lower life cycle cost.		

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PROGRAM LISTING
OF
THE GENERAL SIMULATION
MODEL FOR A BUS ARCHITECTURE
(FMODEL)

*** G P S S V - O S V E R S I O N ***
*** IBM PROGRAM PRODUCT 5734-XS2 (V1M3) ***

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145	TERMINATE		275
146	ASSIGN	4,MHSHFLAG(PB4,3),PB	276
147	OTCM3	PRIORITY MBHSHPARM(PB4,PRI)	277
148	TRANSFER	,CCIN	278
			279
			280
149	DCMR	SPLIT 1,DCOTT	281
150	TEST E	MAXSFARM(PB4,INTR),0,0.2	282
151	TERMINATE		283
			284

152	DCIN ADVANCE	MX\$FARM(PB4,SOFST)	OFFSET	00002810	285
153	DCIN SPLIT	1,CCIN	START MODULE	00002820	286
154	TEST NE	MR\$PARM(PB4,FMIOT),0,DCIN2	MODIFIER REQUIRED	00002830	287
155	ADVANCE	MX\$FARM(PB4,IINTR),FN\$MB\$PARM(PB4,5)		00002840	288
156	TRANSFER	DCIN1		00002850	289
157	ADVANCE	MX\$FARM(PB4,IINTR)	SET UP TIME FOR NEXT	00002860	290
158	TRANSFER	DCIN1		00002870	291
				00002880	292
				00002890	293
				00002900	294
				00002910	295
				00002920	296
159	DCOT1 TEST E	MX\$FARM(PB4,OINTR),0,*2	CHECK FOR 0 TIME	00002930	297
160	TERMINATE			00002940	298
161	DCOUT ADVANCE	MX\$FARM(PB4,OFFST)	OFFSET	00002950	299
162	TRANSFER	*2		00002960	300
163	DCOT1 SPLIT	1,CCOUT	START OUTPUT	00002970	301
164	TEST NE	MR\$PARM(PB4,FMIOT),0,DCOT2	MODIFIER REQUIRED	00002980	302
165	ADVANCE	MX\$FARM(PB4,OINTR),FN\$MB\$PARM(PB4,5)		00002990	303
166	TRANSFER	DCOT1		00003000	304
167	ADVANCE	MX\$FARM(PB4,OINTR)	SETUP FOR NEXT TIME	00003010	305
168	TRANSFER	DCOT1		00003020	306
				00003030	307
169	GENERATE	1,*,1,0,1PF,4PB		00003040	308
170	ASSIGN	1,X\$TIME,PB		00003050	309
171	ADVANCE	X\$TPERD	RUN TIME PERIOD	00003060	310
172	LOOP	1PB,*-1		00003070	311
173	UTERM ASSIGN	1,C1,PF	CLOCK	00003080	312
174	ASSIGN	1,*,1,PF	CLOCK LESS 1	00003090	313
175	ASSIGN	1,TIMT,PB	MATRIX	00003100	314
176	ASSIGN	2-3,CTMOD,PB	LAST ROW LESS 1	00003110	315
177	ASSIGN	3,*,1,PB	LAST ROW	00003120	316
178	MSAVEVALUE	PB1,PB3,1,0,MX	CLEAR SUM	00003130	317
179	MSAVEVALUE	PB1,PB3,1,MX,PB1(PB2,1),MX	ACCUM TIME	00003140	318
180	MSAVEVALUE	PB1,PB2,2,V\$PERCT,MX	CALL PERCENT	00003150	319
181	LOOP	2PB,*-2		00003160	320
182	ASSIGN	2,PB3,PB		00003170	321
183	MSAVEVALUE	PB1,PB2,2,V\$PERCT,MX	CALL SUM PERCENT	00003180	322
184	ASSIGN	4,MODCT,PB		00003190	323
185	LPBK TEST E	MR\$PARM(PB4,ACT),1,LPIT		00003200	324
186	MSAVEVALUE	IAVG,PB4,1,V\$CAVG1,MX		00003210	325
187	MSAVEVALUE	IAVG,PB4,2,V\$CAVG2,MX		00003220	326
188	MSAVEVALUE	IAVG,PB4,3,V\$CAVG3,MX		00003230	327
189	MSAVEVALUE	IAVG,PB4,4,V\$CAVG4,MX		00003240	328
190	MSAVEVALUE	IAVG,PB4,5,V\$CAVG5,MX		00003250	329
191	MSAVEVALUE	IAVG,PB4,6,V\$COIF1,MX		00003260	330
192	TRANSFER	CALLU	GO BUILD OUTPUT MATRIX	00003270	331
193	LPIT LOOP	4PB,LPBK		00003280	332
194	SAVEVALUE	CMTOT,XF\$CMIOT,XF		00003290	333
195	SAVEVALUE	CMIOT,V\$CCMP,XF		00003300	334
196	SAVEVALUE	CMTOT,XF\$CMINT,XF		00003310	335
197	SAVEVALUE	TCMP,V\$CCMP,XF		00003320	336
198	SAVEVALUE	CMTOT,XF\$CMINT,XF		00003330	337
199	SAVEVALUE	CMINT,V\$CCMP,XF		00003340	338
200	SAVEVALUE	CLOCK,PF1,XF		00003350	339
201	TERMINATE	1		00003360	340
202	TERMJ PRINT	PB4,PB4,0	PRINT Q STATISTICS	00003370	341

203	TRANSFER	UTERM	AND TERMINATE RUN		
	* BUILD CALL MODULE MATRIX			00003380	342
				00003390	343
				00003400	344
				00003410	345
204	CALLO ASSIGN	2,MB\$BPARM(PB4,OMDNR),PB	CALL MODULE NR.	00003420	346
205	TEST NE	PH2,0,CALL3	EXIT IF ZERO	00003430	347
206	ASSIGN	1,1,PB	FIRST COL NR.	00003440	348
207	CALL1 TEST NE	MX\$CALLS(PB2,PB1),0,CALL2	TEST IF USED	00003450	349
208	INDEX	IPB,1	NEXT ONE	00003460	350
209	TEST LE	PH1,6,CALL3	OVERFLOW	00003470	351
210	TRANSFER	*CALL1		00003480	352
211	CALL2 MSAVEVALUE	CALLS,PB2,PB1,PB4,MX	STORE CALL MODULE NR.	00003490	353
212	CALL3 MSAVEVALUE	CALLS,PB4,9,MX\$ISTOR(PB4,11),MX	SAVE MODULE TIME	00003500	354
	* BUILD INTERLOCK MODULE MATRIX			00003510	355
				00003520	356
				00003530	357
213	LOCK ASSIGN	2,MB\$MFLAG(PB4,3),PB	INTERLOCK MODULE NR.	00003540	358
214	ASSIGN	1,1,PH	SET COL 1	00003550	359
215	LOCK0 TEST NE	PH2,0,LOCK3	BACK TO MAIN	00003560	360
216	LOCK1 TEST NE	MX\$LOCKS(PB4,PB1),0,LOCK2	TEST IF USED	00003570	361
217	INDEX	IPB,1	NEXT COLUMN	00003580	362
218	TEST LE	PH1,7,LOCK3	OVERFLOW	00003590	363
219	TRANSFER	*LOCK1		00003600	364
220	LOCK2 MSAVEVALUE	LOCKS,PB4,PH1,PB2,MX	STOR INTERLOCK MODULE NR.	00003610	365
221	MSAVEVALUE	LOCKS,PB4,9,MX\$ISTOR(PB2,11),MX	ACCUM MODULE TIMES	00003620	366
222	ASSIGN	3,PB4,PH	SWITCH NR TO 3	00003630	367
223	ASSIGN	4,PB2,PB	SET INTERLOCK NR TO	00003640	368
224	MSAVEVALUE	LOCKS,PB3,8,V\$COIF,4,MX	ACCUM I/O TIMES	00003650	369
225	ASSIGN	4,PB3,PB	SWITCH NR BACK TO 4	00003660	370
226	ASSIGN	2,MB\$MFLAG(PB2,3),PB	CHECK INTERLOCK CHA	00003670	371
227	TRANSFER	*LOCK0		00003680	372
228	LOCK3 MSAVEVALUE	LOCKS,PB4,9,MX\$ISTOR(PB4,11),MX		00003690	373
229	MSAVEVALUE	LOCKS,PB4,8,V\$COIF,4,MX		00003700	374
230	TRANSFER	*LPIT	BACK TO MAIN	00003710	375
	NOXREFS			00003720	376
				00003730	377
				00003740	378
				00003750	379
				00003760	380
				00003770	381
				00003780	382
				00003790	383
				00003800	384
				00003810	385
				00003820	386
				00003830	387
				00003840	388
				00003850	389
				00003860	390
				00003870	391
				00003880	392
				00003890	393
				00003900	394
				00003910	395
				00003920	396
				00003930	397
				00003940	398

NOTE : THIS MODULE NR. IS DEFINED IN CALLING MODULE PARAMETERS

00003950	4 TYPE OF MEMORY USE, 0 = DISTRIBUTED MEMORY	399
00003960	1 = COMMON MEMORY INPUT	400
00003970	2 = COMMON MEMORY OUTPUT	401
00003980	3 = COMMON MEMORY BOTH	402
00003990	5 INPUT/OUTPUT TIME DISTRIBUTION MODIFIER	403
00004000	6 MODULE TIME DISTRIBUTION MODIFIER	404
00004010	7 I/O DATA DISTRIBUTION MODIFIER	405
00004020	FOR MODIFIERS ABOVE, 0 = NO MODIFIERS	406
00004030	1 = EXPONENTIAL	407
00004040	2 = NORMAL, STD DEV = 1.0	408
00004050	3 = HYPERBOLIC	409
00004060	4 = ERLANG M = 2	410
00004070	5 = ERLANG M = 3	411
00004080	6 = ERLANG M = 5	412
00004090	7 = ERLANG M = 10	413
00004100		414
00004110	8 MODULE INTERLOCK NR.	415
00004120	9 MODULE NR OUTPUT DIRECTED TO (SEE CONTROL TYPE 3)	416
00004130	10 MAXIMUM QUEUE LENGTH	417
00004140	*****	418
00004150		419
00004160	HALFWORD PARAMETERS	420
00004170	MATRIX NAME, HPARM	421
00004180		422
00004190	ROWS, MODULES 1 THRU 60	423
00004200		424
00004210	COLUMNS	425
00004220	1 NR OF INPUT WORDS	426
00004230	2 INPUT READ TIME, EACH INTERGER = 50 NS	427
00004240	3 NR OF OUTPUT WORDS	428
00004250	4 OUTPUT WRITE TIME EACH INTERGER = 50 NS	429
00004260	5 NR OF INTERNAL READS FROM COMMON MEMORY	430
00004270	6 NR OF INTERNAL WRITES FROM COMMON MEMORY	431
00004280	*****	432
00004290		433
00004300	FULLWORD PARAMETERS	434
00004310	MATRIX NAME FPARM	435
00004320		436
00004330	ROWS - MODULES 1 THRU 60	437
00004340	COLUMNS	438
00004350	NOTE - EACH INTERGER = 50 NS, EG, 5000 = 250 US	439
00004360		440
00004370	1 MODULE START CYCLE TIME	441
00004380	2 MODULES OUTPUT INTERVAL	442
00004390	3 MODULES PROCESSING TIME	443
00004400	4 START TIME OFFSET	444
00004410	5 OUTPUT TIME OFFSET	445
00004420		446
00004430		447
00004440	BYTE COLUMN SYMBOLS	448
00004450		449
00004460		450
00004470	ACT SYN 1 ACTIVATE COLUMN	451
00004480	PRI SYN 2 PRIORITY	452
00004490	CONT SYN 3 CONTROL TYPE COLUMN	453
00004500	MEM SYN 4 MEMORY TYPE COLUMN	454
00004510	FMIO SYN 5 FUNCTION MODIFIER FOR START CYCLE AND	455

FMHPT SYN	6	FUNCTION MODIFIER FOR MODULE PROCESS	00004520	456
FMHPT SYN	7	FUNCTION MODIFIER FOR I/O WORDS	00004530	457
INTRL SYN	8	INTERLOCK MODULE NUMBER	00004540	458
OMONR SYN	9	MODULE NR. * OUTPUT TO	00004550	459
QMAX SYN	10	MAXIMUM QUEUE LENGTH	00004560	460
* HALFWORD COLUMN SYMBOLS			00004570	461
* WDSIN SYN	1	NR WORDS INPUT	00004580	462
RTIME SYN	2	READ TIME	00004590	463
WROUT SYN	3	NR WORDS OUTPUT	00004600	464
WTIME SYN	4	WRITE TIME	00004610	465
CORWD SYN	5	COMMON READ COUNT	00004620	466
COMWD SYN	6	COMMON WRITE COUNT	00004630	467
* FULLWORD COLUMN SYMBOLS			00004640	468
* IINTR SYN	1	INPUT INTERRUPT PERIOD	00004650	469
OINTR SYN	2	OUTPUT INTERRUPT PERIOD	00004660	470
MOTIM SYN	3	MODULE PROCESS TIME	00004670	471
SOFST SYN	4	START CYCLE TIME OFFSET	00004680	472
OOFT SYN	5	OUTPUT TIME OFFSET	00004690	473
* EXPON FUNCTION	RN1,C24	EXPONENTIAL	00004700	474
0.0/1.104/2.222/3.355/4.509/5.69/6.915/7.12/7.75/1.38			00004710	475
.8/1.6/84.183/88.2/12/9.2/3/92.2/52/9.2/81/95.2/99/96.3.2			00004720	476
.97.3/5/98.3/9/99.4/99.5/3/998.6/2/999.7/9997.8			00004730	477
* NORM FUNCTION	RN1,C27	NORMAL (STD.DEV.=1.0)	00004740	478
0.-3.5/0.013.-3.0/0.035.-2.75/0.062.-2.5/0.122.-2.25/0.228.-2.0			00004750	479
.0401.-1.75/0.668.-1.5/1.056.-1.25/1.587.-1.00/2.266.-.75/3.085.-.5			00004760	480
.4013.-.25/0.5987.-.25/0.6915.-.50/0.7734.-.75/0.8413.-1/0.8944.-1.25			00004770	481
.9332.-1.5/0.9599.-1.75/0.9772.-2/0.9878.-2.25/0.9938.-2.5/0.9965.-2.75			00004780	482
.9987.-3.0/1.3.5			00004790	483
* HYPER FUNCTION	RN1,C24	HYPER-EXPONENTIAL (A=0.7)	00004800	484
0.0/1.1/1.291/3/4.31/5/5.541/7/5.87/8/6.64/1/7.25/1.2/8.12/1.6			00004810	485
.843/1.8/869/2/889/2/906/2.4/92.2/6/931.2/8/941.3/956.3.4			00004820	486
.967/3.8/985.5/996.7/999.9/9991.10/9998.12/9999.13			00004830	487
* ERL2 FUNCTION	RN1,C18	ERLANG M = 2	00004840	488
0.1/0.18.-1/0.62.-2/0.337.-6/0.594.-1.0/0.692.-1.2/0.769.-1.4/0.829.-1.6			00004850	489
.874.-1.8/0.909.-2.0/0.934.-2.2/0.953.-2.4/0.966.-2.6/0.976.-2.8/0.983.-3.0			00004860	490
.993.-3.5/0.998.-4.0/0.9995.-5.0			00004870	491
* ERL3 FUNCTION	RN1,C31	ERLANG M=3	00004880	492
0.1/15/0.2/0.6/3/12.-4/19.-5/23.-55/27.-6/31.-65			00004890	493
.35/7/39.-75/43.-8/47.-85/51.-9/54.-95/58.-1/64.-1.1			00004900	494
.7/1.2/75.-1.3/79.-1.4/83.-1.5/86.-1.6/88.-1.7/905.-1.8/92.-1.9			00004910	495
.938.-2/96.-2/98.-2/99.-2/99.-2/99.-3.2/999.-3.8/1.4			00004920	496
* ERL5 FUNCTION	RN1,C18	ERLANG M = 5	00004930	497
0.1/0.002.-1/0.004.-2/0.019.-3/0.053.-4/0.109.-5/0.275.-7/0.560.-1.0			00004940	498
.715.-1.2/0.827.-1.4/0.900.-1.6/0.926.-1.7/0.945.-1.8/0.971.-2.0/0.985.-2.2			00004950	499
.993.-2.4/0.997.-2.7/0.9992.-3.0			00004960	500
* ERL10 FUNCTION	RN1,C18	ERLANG M = 10	00004970	501
0.1/0.001.-2/0.001.-3/0.008.-4/0.032.-5/0.084.-6/0.170.-7/0.542.-1.0			00004980	502
.758.-1.2/0.834.-1.3/0.891.-1.4/0.930.-1.5/0.957.-1.6/0.974.-1.7/0.985.-1.8			00004990	503
.995.-2.0/0.9985.-2.2/0.9998.-2.5			00005000	504
* SYSTEM PARAMETERS			00005010	505
			00005020	506
			00005030	507
			00005040	508
			00005050	509
			00005060	510
			00005070	511
			00005080	512

PROGRAM LISTING
OF
THE REPORT FORMATER
(FREPORT)

Appendix L-2
FREPORT

DSNAME: SNLAL2.FREPORT.CNVL VOLUME: CZISOF DATE: 02/02/77

START 1.1.1.1
REPORT
EJECT

***** CONFIGURATION PARAMETERS *****
NOTE: REFER TO MODULE SETUP FOR MODULE IDENTIFICATION

SPACE 3
MODULE TYPE MEMORY START/0X00000070
EXECUTION I/O DATA INTERLOCK OUTPUT IO MAX QUE 00000080

NP
MODIFIER MODIFIER MODULE NR. TYPE LENGTH MODIFX0000000090
TITLE 1.0 00000100
SPACE 2 00000110

SPACE 2 00000120
SPACE 2 00000130
SPACE 2 00000140

MODULE NR WORDS READ NR WORDS WRITE COMMON X00000150
MEMORY STORAGE USE 00000160

NR INPUT TIME OUTPUT TIME NR. RX00000170
EADS NR. WRITES 00000180
TITLE 1.0 00000190
SPACE 2 00000200

SPACE 2 00000210
SPACE 2 00000220
MODULE START OUTPUT EXECUTION START OUTPUT 00000230

NR CYCLE TIME PERIOD PERIOD OFFSET OFFSET 00000240
FMS TITLE 2.0 00000250
EJECT 00000260

***** PERFORMANCE CHARACTERISTICS *****
SPACE 2 00000270
TEXT TOTAL ELAPSED TIME OF RUN = #X\$CLOCK.2/XXXXXXXXXX# 00000280

SPACE 2 00000290
SPACE 2 00000300
SPACE 2 00000310
SPACE 2 00000320

MODULE AVG TIME AVG TIME INTERNAL INTERNAL AVG X00000330
TIME TIME DIFFERENCE 00000340
NP INPUT OUTPUT READ WRITE NEXIX00000350

MSTH (INTR - (AVG I/O'S * MOT1(m)) 00000360
FMS TITLE 4.0 00000370
SPACE 2 00000380

SPACE 2 00000390
SPACE 2 00000400

INTERLOCK MODULES **

START OCK	INTERLOCK MODULE	INTERLOCK TOTAL	INTERLOCK TOTAL (ALL)	INTERLOCK TOTAL (ALL)
				00000410
				00000000412
				00000413
				X000000414

I/O MODULE TIMES

FMS	TITLE	5.0	2	00000415
	SPACE			00000430
				00000432

FMS	TITLE	5.0	2	00000433
	SPACE			00000434
				00000440

FMS	TITLE	5.0	2	00000442
	SPACE			00000443
				00000444

FMS	TITLE	5.0	2	00000445
	SPACE			00000446
				00000450

FMS	TITLE	5.0	2	00000455
	SPACE			00000460
				00000470

FMS	TITLE	5.0	2	00000480
	SPACE			00000490
				00000500

FMS	TITLE	5.0	2	00000510
	SPACE			00000520
				00000530

FMS	TITLE	5.0	2	00000540
	SPACE			00000550
				00000560

FMS	TITLE	5.0	2	00000570
	SPACE			00000580
				00000590

FMS	TITLE	5.0	2	00000600
	SPACE			00000610
				00000620

FMS	TITLE	5.0	2	00000630
	SPACE			00000640
				00000650

FMS	TITLE	5.0	2	00000660
	SPACE			00000670
				00000680

FMS	TITLE	5.0	2	00000690
	SPACE			00000700

FMS	TITLE	5.0	2	00000700
	SPACE			

FMS	TITLE	5.0	2	00000710
	SPACE			

FMS	TITLE	5.0	2	00000720
	SPACE			

FMS	TITLE	5.0	2	00000730
	SPACE			

FMS	TITLE	5.0	2	00000740
	SPACE			

FMS	TITLE	5.0	2	00000750
	SPACE			

FMS	TITLE	5.0	2	00000760
	SPACE			

FMS	TITLE	5.0	2	00000770
	SPACE			

FMS	TITLE	5.0	2	00000780
	SPACE			

FMS	TITLE	5.0	2	00000790
	SPACE			

FMS	TITLE	5.0	2	00000800
	SPACE			

FMS	TITLE	5.0	2	00000810
	SPACE			

FMS	TITLE	5.0	2	00000820
	SPACE			

FMS	TITLE	5.0	2	00000830
	SPACE			

FMS	TITLE	5.0	2	00000840
	SPACE			

FMS	TITLE	5.0	2	00000850
	SPACE			

FMS	TITLE	5.0	2	00000860
	SPACE			

FMS	TITLE	5.0	2	00000870
	SPACE			

FMS	TITLE	5.0	2	00000880
	SPACE			

FMS	TITLE	5.0	2	00000890
	SPACE			

FMS	TITLE	5.0	2	00000900
	SPACE			

FMS	TITLE	5.0	2	00000910
	SPACE			

FMS	TITLE	5.0	2	00000920
	SPACE			

FMS	TITLE	5.0	2	00000930
	SPACE			

FMS	TITLE	5.0	2	00000940
	SPACE			

FMS	TITLE	5.0	2	00000950
	SPACE			

FMS	TITLE	5.0	2	00000960
	SPACE			

FMS	TITLE	5.0	2	00000970
	SPACE			

FMS	TITLE	5.0	2	00000980
	SPACE			

FMS	TITLE	5.0	2	00000990
	SPACE			

FMS	TITLE	5.0	2	00001000
	SPACE			

FMS	TITLE	5.0	2	00001010
	SPACE			

FMS	TITLE	5.0	2	00001020
	SPACE			

FMS	TITLE	5.0	2	00001030
	SPACE			

FMS	TITLE	5.0	2	00001040
	SPACE			

00000710
00000720
00000730
00000740
00000750
00000760
00000770
00000780

SPACE 2

SPACE 2
** UTILIZATION STATISTICS OF NEXTMASTER AND BUS **

FAC TITLE **
FMS TITLE 3**
END

EJECT

LISTING OF
THE SIGNAL PROCESSING MODULE LIBRARY
(SPMODULE)

Appendix L-3
SPMODULE

DSNAME: \$NLA16.RUNF.CNTL VOLUME: CZTSOF DATE: 01/31/77

0000010
0000020
0000030
0000040
0000050
0000060
0000070
0000080
0000090
0000100
0000110
0000120
0000130
0000140
0000150
0000160
0000170
0000180
0000190
0000200
0000210
0000220
0000230
0000240
0000250
0000260
0000270
0000280
0000290
0000300
0000310
0000320
0000330
0000340
0000350
0000360
0000370
0000380
0000390
0000400

INITIAL XFSTPERD,2000000 100 MS PERIOD
INITIAL XBSTIME,7 700 MS RUN
INITIAL XBSCCRT,5 SET WRITE TIME TO 250 NS
INITIAL XBSCNEMT,20 SET COMMON MEMORY TIME

* MODULES FOR SM1600 EXAMPLE

* MODULE 1 PARAMETERS
* A/O 2 CHANNEL AT 6400 HZ

INITIAL MBSPARM(1,ACT),0
INITIAL MBSPARM(1,PHI),126
INITIAL MBSPARM(1,CONT),1
INITIAL MBSPARM(1,MEM),0
INITIAL MBSPARM(1,OMDNP),2
INITIAL MBSPARM(1,OMAX),2
INITIAL MBSPARM(1,FMIOI),0
INITIAL MBSPARM(1,FMMP),0
INITIAL MBSPARM(1,FMINW),0
INITIAL MBSPARM(1,INTRL),0
INITIAL MBSPARM(1,WD SIN),0
INITIAL MBSPARM(1,RTIME),5
INITIAL MBSPARM(1,WDOUT),2
INITIAL MBSPARM(1,TIME),5
INITIAL MBSPARM(1,CORWD),0
INITIAL MBSPARM(1,COWD),1
INITIAL MXSPARM(1,INTR),3125
INITIAL MXSPARM(1,INTP),3125
INITIAL MXSPARM(1,SOFST),0
INITIAL MXSPARM(1,MOFST),0
INITIAL MXSPARM(1,MOTIM),0

* MODULE 2 PARAMETERS

* IF PRE-PROCESSING SM1600

```

*
*
*   INITIAL MBSHPARM(2,ACT).0
*   INITIAL MBSHPARM(2,PRI).125
*   INITIAL MBSHPARM(2,CONT).1
*   INITIAL MBSHPARM(2,MEM).0
*   INITIAL MBSHPARM(2,OMDNR).3
*   INITIAL MBSHPARM(2,QMAX).4
*   INITIAL MBSHPARM(2,FMIOT).0
*   INITIAL MBSHPARM(2,FMMPT).0
*   INITIAL MBSHPARM(2,FMINW).0
*   INITIAL MBSHPARM(2,INTRL).0
*   INITIAL MBSHPARM(2,WDSIN).0
*   INITIAL MBSHPARM(2,RTIME).5
*   INITIAL MBSHPARM(2,WDOU).8
*   INITIAL MBSHPARM(2,WTIME).5
*   INITIAL MBSHPARM(2,CORWD).0
*   INITIAL MBSHPARM(2,COWWD).1
*   INITIAL MBSHPARM(2,INTR).3125
*   INITIAL MBSHPARM(2,SOFS).12500
*   INITIAL MBSHPARM(2,OOFS).0
*   INITIAL MBSHPARM(2,MOTIM).0
*
*
*   MODULE 3 PARAMETERS
*   MATCHED FILTER SM1600
*
*
*   INITIAL MBSHPARM(3,ACT).0
*   INITIAL MBSHPARM(3,PRI).124
*   INITIAL MBSHPARM(3,CONT).1
*   INITIAL MBSHPARM(3,MEM).0
*   INITIAL MBSHPARM(3,OMDNR).5
*   INITIAL MBSHPARM(3,QMAX).2
*   INITIAL MBSHPARM(3,FMIOT).0
*   INITIAL MBSHPARM(3,FMMPT).0
*   INITIAL MBSHPARM(3,FMINW).0
*   INITIAL MBSHPARM(3,INTRL).0
*   INITIAL MBSHPARM(3,WDSIN).0
*   INITIAL MBSHPARM(3,RTIME).5

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INITIAL	MH\$HPARM(3,WDOOT).2	00000833
INITIAL	MH\$HPARM(3,WTIME).5	00000840
INITIAL	MH\$HPARM(3,CORWD).0	00000850
INITIAL	MH\$HPARM(3,COWD).1	00000860
INITIAL	MX\$FPARM(3,IINTR).12500	00000870
INITIAL	MX\$FPARM(3,OINTR).12500	00000880
INITIAL	MX\$FPARM(3,SOFST).0	00000890
INITIAL	MX\$FPARM(3,UOFST).0	00000900
INITIAL	MX\$FPARM(3,MOTIM).0	00000910
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		00000980
		00000990
INITIAL	MB\$BPARM(4,ACT).0	00001000
INITIAL	MB\$BPARM(4,PR1).123	00001010
INITIAL	MB\$BPARM(4,CONT).1	00001020
INITIAL	MB\$BPARM(4,MEM).0	00001030
INITIAL	MB\$BPARM(4,OMAX).2	00001040
INITIAL	MB\$BPARM(4,FMIOT).0	00001050
INITIAL	MB\$BPARM(4,FMMPT).0	00001060
INITIAL	MB\$BPARM(4,FMINW).0	00001070
INITIAL	MB\$BPARM(4,INPL).0	00001080
INITIAL	MH\$HPARM(4,WDSIN).0	00001090
INITIAL	MH\$HPARM(4,RTIME).5	00001100
INITIAL	MH\$HPARM(4,WDOOT).1	00001110
INITIAL	MH\$HPARM(4,WTIME).5	00001120
INITIAL	MH\$HPARM(4,CORWD).0	00001130
INITIAL	MX\$FPARM(4,COWD).1	00001140
INITIAL	MX\$FPARM(4,IINTR).12500	00001150
INITIAL	MX\$FPARM(4,OINTR).12500	00001160
INITIAL	MX\$FPARM(4,SOFST).0	00001170
INITIAL	MX\$FPARM(4,UOFST).0	00001180
INITIAL	MX\$FPARM(4,MOTIM).0	00001190
		00001200
		00001210
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		00001240
MODULE 4 PARAMETERS		
KEY DEMUX SM1600 CO		
MODULE 5 PARAMETERS		
CORRELATOR SM1600 .5 CO WINDOW 8		

INITIAL M\$BPARM(5,ACT),0	00001250
INITIAL M\$BPARM(5,PRI),122	00001260
INITIAL M\$BPARM(5,CONT),1	00001270
INITIAL M\$BPARM(5,MEM),0	00001280
INITIAL M\$BPARM(5,OMDNR),6	00001290
INITIAL M\$BPARM(5,QMAX),5	00001300
INITIAL M\$BPARM(5,FMIOT),0	00001310
INITIAL M\$BPARM(5,FMMPT),0	00001320
INITIAL M\$BPARM(5,FMINW),0	00001330
INITIAL M\$BPARM(5,INTRL),0	00001340
INITIAL M\$BPARM(5,WD SIN),0	00001350
INITIAL M\$BPARM(5,RTIME),5	00001360
INITIAL M\$BPARM(5,WDOUT),16	00001370
INITIAL M\$BPARM(5,WTIME),5	00001380
INITIAL M\$BPARM(5,CORWD),0	00001390
INITIAL M\$BPARM(5,COWD),1	00001400
INITIAL M\$BPARM(5,IINTR),12500	00001410
INITIAL M\$BPARM(5,OINTR),10000000	00001420
INITIAL M\$BPARM(5,SOFST),0	00001430
INITIAL M\$BPARM(5,OOFT),0	00001440
INITIAL M\$BPARM(5,MOTIM),0	00001450
INITIAL M\$BPARM(5,CORWD),0	00001460
INITIAL M\$BPARM(5,CORWD),0	00001470
INITIAL M\$BPARM(5,CORWD),0	00001480
INITIAL M\$BPARM(5,CORWD),0	00001490
INITIAL M\$BPARM(5,CORWD),0	00001500
INITIAL M\$BPARM(5,CORWD),0	00001510
INITIAL M\$BPARM(5,CORWD),0	00001520
INITIAL M\$BPARM(5,CORWD),0	00001530
INITIAL M\$BPARM(5,CORWD),0	00001540
INITIAL M\$BPARM(5,CORWD),0	00001550
INITIAL M\$BPARM(5,CORWD),0	00001560
INITIAL M\$BPARM(5,CORWD),0	00001570
INITIAL M\$BPARM(5,CORWD),0	00001580
INITIAL M\$BPARM(5,CORWD),0	00001590
INITIAL M\$BPARM(5,CORWD),0	00001600
INITIAL M\$BPARM(5,CORWD),0	00001610
INITIAL M\$BPARM(5,CORWD),0	00001620
INITIAL M\$BPARM(5,CORWD),0	00001630
INITIAL M\$BPARM(5,CORWD),0	00001640
INITIAL M\$BPARM(5,CORWD),0	00001650
INITIAL M\$BPARM(5,CORWD),0	00001660

MODULE 6 PARAMETERS

SYMBOL PROCESSING SM .5 CO WINDOW 8

INITIAL M\$BPARM(6,ACT),0	00001670
INITIAL M\$BPARM(6,PRI),121	00001680
INITIAL M\$BPARM(6,CONT),1	00001690
INITIAL M\$BPARM(6,MEM),0	00001700
INITIAL M\$BPARM(6,OMDNR),7	00001710
INITIAL M\$BPARM(6,QMAX),2	00001720
INITIAL M\$BPARM(6,FMIOT),0	00001730
INITIAL M\$BPARM(6,FMMPT),0	00001740
INITIAL M\$BPARM(6,FMINW),0	00001750
INITIAL M\$BPARM(6,INTRL),0	00001760
INITIAL M\$BPARM(6,WD SIN),0	00001770
INITIAL M\$BPARM(6,RTIME),20	00001780
INITIAL M\$BPARM(6,WDOUT),0	00001790
INITIAL M\$BPARM(6,WTIME),0	00001800
INITIAL M\$BPARM(6,CORWD),0	00001810

INITIAL MHSHPARM(6,COWD),1
INITIAL MX\$FPARM(6,IINTR),10000000
INITIAL MX\$FPARM(6,OINTR),10000000
INITIAL MX\$FPARM(6,SOFST),0
INITIAL MX\$FPARM(6,MOFST),0
INITIAL MX\$FPARM(6,MOTIM),12000

*
*
* MODULE 7 PARAMETERS
* SYNC PROCESSING SM .5 CO WINDOW 8
*

INITIAL MBSHPARM(7,ACT),0
INITIAL MBSHPARM(7,PRI),120
INITIAL MBSHPARM(7,CONT),2
INITIAL MBSHPARM(7,MEM),0
INITIAL MBSHPARM(7,OMDNR),2
INITIAL MBSHPARM(7,QMAX),2
INITIAL MBSHPARM(7,FMIOT),0
INITIAL MBSHPARM(7,FMPT),0
INITIAL MBSHPARM(7,WUSIN),0
INITIAL MBSHPARM(7,INTRL),6
INITIAL MBSHPARM(7,RTIME),0
INITIAL MBSHPARM(7,WDOUT),1
INITIAL MBSHPARM(7,TIME),20
INITIAL MBSHPARM(7,CORWD),0
INITIAL MBSHPARM(7,COWD),1
INITIAL MX\$FPARM(7,IINTR),10000000
INITIAL MX\$FPARM(7,OINTR),10000000
INITIAL MX\$FPARM(7,SOFST),0
INITIAL MX\$FPARM(7,MOFST),0
INITIAL MX\$FPARM(7,MOTIM),2000

*
*
* MODULE 8 PARAMETERS
* WORD PROCESSING SM .5 CO
*

INITIAL MBSHPARM(8,ACT),0
INITIAL MBSHPARM(8,PRI),119
INITIAL MBSHPARM(8,CONT),2

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INITIAL	MB\$BPARAM(8, MEM), 0	00002090
INITIAL	MB\$BPARAM(8, QMDNR), 0	00002100
INITIAL	MB\$BPARAM(8, QMAX), 2	00002110
INITIAL	MB\$BPARAM(8, FMLOT), 0	00002120
INITIAL	MB\$BPARAM(8, FMPT), 0	00002130
INITIAL	MB\$BPARAM(8, FMINW), 0	00002140
INITIAL	MB\$BPARAM(8, INTPL), 7	00002150
INITIAL	MB\$BPARAM(8, WDSIN), 0	00002160
INITIAL	MB\$BPARAM(8, WOUT), 0	00002170
INITIAL	MB\$BPARAM(8, WOUT), 2	00002180
INITIAL	MB\$BPARAM(8, WTIME), 20	00002190
INITIAL	MB\$BPARAM(8, CORWD), 0	00002200
INITIAL	MB\$BPARAM(8, CORWD), 1	00002210
INITIAL	MX\$FPARAM(8, IINTR), 10000000	00002220
INITIAL	MX\$FPARAM(8, OINTR), 150000000	00002230
INITIAL	MX\$FPARAM(8, SOFST), 0	00002240
INITIAL	MX\$FPARAM(8, SOFST), 0	00002250
INITIAL	MX\$FPARAM(8, SOFST), 0	00002260
INITIAL	MX\$FPARAM(8, MOTIM), 45000	00002270
INITIAL	MX\$FPARAM(8, MOTIM), 45000	00002280
INITIAL	MX\$FPARAM(8, MOTIM), 45000	00002290
INITIAL	MX\$FPARAM(8, MOTIM), 45000	00002300
INITIAL	MX\$FPARAM(8, MOTIM), 45000	00002310
INITIAL	MX\$FPARAM(8, MOTIM), 45000	00002320
INITIAL	MX\$FPARAM(8, MOTIM), 45000	00002330
INITIAL	MX\$FPARAM(8, MOTIM), 45000	00002340
INITIAL	MX\$FPARAM(8, MOTIM), 45000	00002350
INITIAL	MX\$FPARAM(8, MOTIM), 45000	00002360
INITIAL	MX\$FPARAM(8, MOTIM), 45000	00002370
INITIAL	MX\$FPARAM(8, MOTIM), 45000	00002380
INITIAL	MX\$FPARAM(8, MOTIM), 45000	00002390
INITIAL	MX\$FPARAM(8, MOTIM), 45000	00002400
INITIAL	MX\$FPARAM(8, MOTIM), 45000	00002410
INITIAL	MX\$FPARAM(8, MOTIM), 45000	00002420
INITIAL	MX\$FPARAM(8, MOTIM), 45000	00002430
INITIAL	MX\$FPARAM(8, MOTIM), 45000	00002440
INITIAL	MX\$FPARAM(8, MOTIM), 45000	00002450
INITIAL	MX\$FPARAM(8, MOTIM), 45000	00002460
INITIAL	MX\$FPARAM(8, MOTIM), 45000	00002470
INITIAL	MX\$FPARAM(8, MOTIM), 45000	00002480
INITIAL	MX\$FPARAM(8, MOTIM), 45000	00002490
INITIAL	MX\$FPARAM(8, MOTIM), 45000	00002500

MODULE 9 PARAMETERS

INITIAL	MB\$BPARAM(9, ACT), 0	00002510
INITIAL	MB\$BPARAM(9, PRI), 0	00002520
INITIAL	MB\$BPARAM(9, CONT), 0	00002530
INITIAL	MB\$BPARAM(9, MEM), 0	00002540
INITIAL	MB\$BPARAM(9, QMDNR), 0	00002550
INITIAL	MB\$BPARAM(9, QMAX), 2	00002560
INITIAL	MB\$BPARAM(9, FMLOT), 0	00002570
INITIAL	MB\$BPARAM(9, FMPT), 0	00002580
INITIAL	MB\$BPARAM(9, FMINW), 0	00002590
INITIAL	MB\$BPARAM(9, INTPL), 0	00002600
INITIAL	MB\$BPARAM(9, WDSIN), 0	00002610
INITIAL	MB\$BPARAM(9, WOUT), 0	00002620
INITIAL	MB\$BPARAM(9, WOUT), 2	00002630
INITIAL	MB\$BPARAM(9, WTIME), 0	00002640
INITIAL	MB\$BPARAM(9, CORWD), 0	00002650
INITIAL	MB\$BPARAM(9, CORWD), 1	00002660
INITIAL	MX\$FPARAM(9, IINTR), 0	00002670
INITIAL	MX\$FPARAM(9, OINTR), 0	00002680
INITIAL	MX\$FPARAM(9, SOFST), 0	00002690
INITIAL	MX\$FPARAM(9, SOFST), 0	00002700

INITIAL MX\$FPARM(9,MOTIM),0

MODULE 10 PARAMETERS

INITIAL MB\$RPARM(10,ACT),0
INITIAL MB\$RPARM(10,PRI),0
INITIAL MB\$RPARM(10,CONT),0
INITIAL MB\$RPARM(10,MEM),0
INITIAL MB\$RPARM(10,OMDNR),0
INITIAL MB\$RPARM(10,QMAX),2
INITIAL MB\$RPARM(10,FMIOT),0
INITIAL MB\$RPARM(10,FMPT),0
INITIAL MB\$RPARM(10,FMINW),0
INITIAL MB\$RPARM(10,INTRL),0
INITIAL MB\$RPARM(10,WDSIN),0
INITIAL MB\$RPARM(10,RTIME),0
INITIAL MB\$RPARM(10,WDOUT),0
INITIAL MB\$RPARM(10,WTIME),0
INITIAL MB\$RPARM(10,CORWD),0
INITIAL MX\$FPARM(10,INTR),0
INITIAL MX\$FPARM(10,OINTR),0
INITIAL MX\$FPARM(10,SOFST),0
INITIAL MX\$FPARM(10,OOFS),0
INITIAL MX\$FPARM(10,MOTIM),0

MODULE 11 PARAMETERS

INITIAL MB\$RPARM(11,ACT),0
INITIAL MB\$RPARM(11,PRI),0
INITIAL MB\$RPARM(11,CONT),0
INITIAL MB\$RPARM(11,MEM),0
INITIAL MB\$RPARM(11,OMDNR),0
INITIAL MB\$RPARM(11,QMAX),2
INITIAL MB\$RPARM(11,FMIOT),0
INITIAL MB\$RPARM(11,FMPT),0
INITIAL MB\$RPARM(11,FMINW),0
INITIAL MB\$RPARM(11,INTRL),0

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00002930  INITIAL MHSHPARM(11,WDSIN).0
00002940  INITIAL MHSHPARM(11,RTIME).0
00002950  INITIAL MHSHPARM(11,WDOU).0
00002960  INITIAL MHSHPARM(11,WTIME).0
00002970  INITIAL MHSHPARM(11,CORWD).0
00002980  INITIAL MHSHPARM(11,COWD).0
00002990  INITIAL MX$FPARM(11,IINTR).0
00003000  INITIAL MX$FPARM(11,OINTR).0
00003010  INITIAL MX$FPARM(11,SOFST).0
00003020  INITIAL MX$FPARM(11,OOFT).0
00003030  INITIAL MX$FPARM(11,MOTIM).0
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*
*   MODULE 13  PARAMETERS
*   IF PRE-PROCESSING SM100
*
*   INITIAL MB$BPARM(13,ACT).0
*   INITIAL MB$BPARM(13,PRI).125
*   INITIAL MX$FPARM(13,OFFST).0
*   INITIAL MB$BPARM(13,CONT).1
*   INITIAL MB$BPARM(13,MEM).0
*   INITIAL MB$BPARM(13,OMDNR).14
*   INITIAL MB$BPARM(13,OMAX).4
*   INITIAL MB$BPARM(13,FMIOT).0
*   INITIAL MB$BPARM(13,FMMPT).0
*   INITIAL MB$BPARM(13,FMINW).0
*   INITIAL MB$BPARM(13,INTRL).0
*   INITIAL MB$BPARM(13,WDSIN).0
*   INITIAL MB$BPARM(13,PTIME).5
*   INITIAL MB$BPARM(13,WDOUT).8
*   INITIAL MB$BPARM(13,WTIME).5
*   INITIAL MB$BPARM(13,CORWD).0
*   INITIAL MB$BPARM(13,COWD).1
*   INITIAL MX$FPARM(13,INTR).3125
*   INITIAL MX$FPARM(13,GINTR).200000
*   INITIAL MX$FPARM(13,SOFST).0
*   INITIAL MX$FPARM(13,MOTIM).0
*
*
*   MODULE 14  PARAMETERS
*   MATCHED FILTER SM100
*
*   INITIAL MB$BPARM(14,ACT).0
*   INITIAL MB$BPARM(14,PRI).124
*   INITIAL MB$BPARM(14,CONT).1
*   INITIAL MB$BPARM(14,MEM).0
*   INITIAL MB$BPARM(14,OMDNR).15
*   INITIAL MB$BPARM(14,OMAX).2
*   INITIAL MB$BPARM(14,FMIOT).0
*   INITIAL MB$BPARM(14,FMMPT).0
*   INITIAL MB$BPARM(14,FMINW).0
*   INITIAL MB$BPARM(14,INTRL).0

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INITIAL MH\$HPARM(14,WDSIN).0
INITIAL MH\$HPARM(14,RTIME).5
INITIAL MH\$HPARM(14,WDOUT).2
INITIAL MH\$HPARM(14,WTIME).5
INITIAL MH\$HPARM(14,CORWD).0
INITIAL MH\$HPARM(14,COWD).1
INITIAL MX\$FPARM(14,IINTR).200000
INITIAL MX\$FPARM(14,OINTR).200000
INITIAL MX\$FPARM(14,SOFST).0
INITIAL MX\$FPARM(14,OOFT).0
INITIAL MX\$FPARM(14,MOTIM).0

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*
* MODULE 15 PARAMETERS
* CORRELATOR SM100 .5 CO WINDOW 8
*

INITIAL MB\$RPARM(15,ACT).0
INITIAL MB\$RPARM(15,PRI).122
INITIAL MB\$RPARM(15,CONT).1
INITIAL MB\$RPARM(15,MEM).0
INITIAL MB\$RPARM(15,OMDNR).17
INITIAL MB\$RPARM(15,OMAX).5
INITIAL MB\$RPARM(15,FMIOT).0
INITIAL MB\$RPARM(15,FMMPT).0
INITIAL MB\$RPARM(15,FMINW).0
INITIAL MB\$RPARM(15,INTRL).0
INITIAL MH\$HPARM(15,WDSIN).0
INITIAL MH\$HPARM(15,RTIME).5
INITIAL MH\$HPARM(15,WDOUT).16
INITIAL MH\$HPARM(15,WTIME).5
INITIAL MH\$HPARM(15,CORWD).0
INITIAL MH\$HPARM(15,COWD).1
INITIAL MX\$FPARM(15,IINTR).200000
INITIAL MX\$FPARM(15,OINTR).1000000
INITIAL MX\$FPARM(15,SOFST).0
INITIAL MX\$FPARM(15,OOFT).0
INITIAL MX\$FPARM(15,MOTIM).0

*
* MODULE 16 PARAMETERS
* KG DEMUX SM100 CO
*

INITIAL	MB\$BPARAM(16,ACT),0	00004190
INITIAL	MB\$BPARAM(16,PRI),123	00004200
INITIAL	MB\$BPARAM(16,CONT),1	00004210
INITIAL	MB\$BPARAM(16,MEM),0	00004220
INITIAL	MB\$BPARAM(16,ONDR),15	00004230
INITIAL	MB\$BPARAM(16,QMAX),2	00004240
INITIAL	MB\$BPARAM(16,FMIOT),0	00004250
INITIAL	MB\$BPARAM(16,FMMPT),0	00004260
INITIAL	MB\$BPARAM(16,FMINW),0	00004270
INITIAL	MB\$BPARAM(16,INTRL),0	00004280
INITIAL	MB\$BPARAM(16,WD\$IN),0	00004290
INITIAL	MB\$BPARAM(16,RTIME),5	00004300
INITIAL	MB\$BPARAM(16,WDOUT),1	00004310
INITIAL	MB\$BPARAM(16,WDTIME),5	00004320
INITIAL	MB\$BPARAM(16,CORWD),0	00004330
INITIAL	MB\$BPARAM(16,COWD),1	00004340
INITIAL	MX\$FPARM(16,INTR),12500	00004350
INITIAL	MX\$FPARM(16,INTR),200000	00004360
INITIAL	MX\$FPARM(16,SOFST),0	00004370
INITIAL	MX\$FPARM(16,OOFT),0	00004380
INITIAL	MX\$FPARM(16,MOTIM),0	00004390
INITIAL	MX\$FPARM(16,MOTIM),0	00004400
INITIAL	MX\$FPARM(16,MOTIM),0	00004410
INITIAL	MX\$FPARM(16,MOTIM),0	00004420
INITIAL	MX\$FPARM(16,MOTIM),0	00004430
INITIAL	MX\$FPARM(16,MOTIM),0	00004440
INITIAL	MX\$FPARM(16,MOTIM),0	00004450
INITIAL	MX\$FPARM(16,MOTIM),0	00004460
INITIAL	MX\$FPARM(16,MOTIM),0	00004470
INITIAL	MX\$FPARM(16,MOTIM),0	00004480
INITIAL	MX\$FPARM(16,MOTIM),0	00004490
INITIAL	MX\$FPARM(16,MOTIM),0	00004500
INITIAL	MX\$FPARM(16,MOTIM),0	00004510
INITIAL	MX\$FPARM(16,MOTIM),0	00004520
INITIAL	MX\$FPARM(16,MOTIM),0	00004530
INITIAL	MX\$FPARM(16,MOTIM),0	00004540
INITIAL	MX\$FPARM(16,MOTIM),0	00004550
INITIAL	MX\$FPARM(16,MOTIM),0	00004560
INITIAL	MX\$FPARM(16,MOTIM),0	00004570
INITIAL	MX\$FPARM(16,MOTIM),0	00004580
INITIAL	MX\$FPARM(16,MOTIM),0	00004590
INITIAL	MX\$FPARM(16,MOTIM),0	00004600

MODULE 17 PARAMETERS

SYMBOL PROCESSING SM .5 CO WINDOW 8

INITIAL	MB\$BPARAM(17,ACT),0	00004610
INITIAL	MB\$BPARAM(17,PRI),121	00004620
INITIAL	MB\$BPARAM(17,CONT),1	00004630
INITIAL	MB\$BPARAM(17,MEM),0	00004640
INITIAL	MB\$BPARAM(17,ONDR),18	00004650
INITIAL	MB\$BPARAM(17,QMAX),2	00004660
INITIAL	MB\$BPARAM(17,FMIOT),0	00004670
INITIAL	MB\$BPARAM(17,FMMPT),0	00004680
INITIAL	MB\$BPARAM(17,FMINW),0	00004690
INITIAL	MB\$BPARAM(17,INTRL),0	00004700
INITIAL	MB\$BPARAM(17,WD\$IN),0	00004710
INITIAL	MB\$BPARAM(17,RTIME),20	00004720
INITIAL	MB\$BPARAM(17,WDOUT),0	00004730

INITIAL	MH\$HPARM(17,WTIME),0	00004610
INITIAL	MH\$HPARM(17,COWD),0	00004620
INITIAL	MH\$HPARM(17,COWD)+1	00004630
INITIAL	MX\$FPARM(17,INTR),10000000	00004640
INITIAL	MX\$FPARM(17,INTR),10000000	00004650
INITIAL	MX\$FPARM(17,SOFST),0	00004660
INITIAL	MX\$FPARM(17,OOFT),0	00004670
INITIAL	MX\$FPARM(17,MOTIM),12000	00004680

MODULE 18 PARAMETERS
SYNC PROCESSING SM .5 CO

INITIAL	MB\$BPARAM(18,ACT).0	00004750
INITIAL	MB\$BPARAM(18,PRI).120	00004760
INITIAL	MB\$BPARAM(18,CONT).2	00004770
INITIAL	MB\$BPARAM(18,MEM).0	00004780
INITIAL	MB\$BPARAM(18,OMDNR).13	00004790
INITIAL	MB\$BPARAM(18,OMAX).2	00004800
INITIAL	MB\$BPARAM(18,FMIOI).0	00004810
INITIAL	MB\$BPARAM(18,FMPT).0	00004820
INITIAL	MB\$BPARAM(18,FMINW).0	00004830
INITIAL	MB\$BPARAM(18,INTRL).17	00004840
INITIAL	MB\$BPARAM(18,WDSIN).0	00004850
INITIAL	MB\$BPARAM(18,RTIME).0	00004860
INITIAL	MB\$BPARAM(18,WDOOT).1	00004870
INITIAL	MB\$BPARAM(18,WTIME).20	00004880
INITIAL	MB\$BPARAM(18,CORWD).0	00004890
INITIAL	MB\$BPARAM(18,CORWD).1	00004900
INITIAL	MX\$FPARAM(18,IINTR).10000000	00004910
INITIAL	MX\$FPARAM(18,GINTR).10000000	00004920
INITIAL	MX\$FPARAM(18,SOFST).0	00004930
INITIAL	MX\$FPARAM(18,DOFST).0	00004940
INITIAL	MX\$FPARAM(18,MOTIM).2000	00004950

MODULE 19 PARAMETERS
WORD PROCESSING SM.5 CO

INITIAL MB\$BPARM(19,ACT),0
00005020

INITIAL	MB\$BPARM(19,PRI),119	00005030
INITIAL	MB\$BPARM(19,CONT),2	00005040
INITIAL	MB\$BPARM(19,MEM),0	00005050
INITIAL	MB\$BPARM(19,OMDNR),0	00005060
INITIAL	MB\$BPARM(19,QMAX),2	00005070
INITIAL	MB\$BPARM(19,FMIOT),0	00005080
INITIAL	MB\$BPARM(19,FMMPT),0	00005090
INITIAL	MB\$BPARM(19,FMINW),0	00005100
INITIAL	MB\$BPARM(19,INTRL),18	00005110
INITIAL	MB\$BPARM(19,WDSIN),0	00005120
INITIAL	MB\$BPARM(19,RTIME),0	00005130
INITIAL	MB\$BPARM(19,WDOUT),2	00005140
INITIAL	MB\$BPARM(19,WTIME),20	00005150
INITIAL	MB\$BPARM(19,CORWD),0	00005160
INITIAL	MB\$BPARM(19,COWD),1	00005170
INITIAL	MB\$BPARM(19,IINTR),10000000	00005180
INITIAL	MB\$BPARM(19,GINTR),150000000	00005190
INITIAL	MB\$BPARM(19,SOFST),0	00005200
INITIAL	MB\$BPARM(19,OOFTST),0	00005210
INITIAL	MB\$BPARM(19,NOTIM),45000	00005220
INITIAL	MB\$BPARM(19,CORWD),0	00005230
INITIAL	MB\$BPARM(19,COWD),0	00005240
MODULE 20 PARAMETERS		
CORRELATOR SM100 2 CO WINDOW 8		
INITIAL	MB\$BPARM(20,ACT),0	00005280
INITIAL	MB\$BPARM(20,PRI),124	00005290
INITIAL	MB\$BPARM(20,CONT),1	00005300
INITIAL	MB\$BPARM(20,MEM),0	00005310
INITIAL	MB\$BPARM(20,OMDNR),0	00005320
INITIAL	MB\$BPARM(20,QMAX),2	00005330
INITIAL	MB\$BPARM(20,FMIOT),0	00005340
INITIAL	MB\$BPARM(20,FMMPT),0	00005350
INITIAL	MB\$BPARM(20,FMINW),0	00005360
INITIAL	MB\$BPARM(20,INTRL),0	00005380
INITIAL	MB\$BPARM(20,WDSIN),0	00005390
INITIAL	MB\$BPARM(20,RTIME),0	00005400
INITIAL	MB\$BPARM(20,WDOUT),17	00005410
INITIAL	MB\$BPARM(20,WTIME),5	00005420
INITIAL	MB\$BPARM(20,CORWD),0	00005430
INITIAL	MB\$BPARM(20,COWD),0	00005440


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INITIAL MX$FPARM(20,IINTR),20000  
INITIAL MX$FPARM(20,OINTR),40000000  
INITIAL MX$FPARM(20,SOFST),0  
INITIAL MX$FPARM(20,XOFSF),0  
INITIAL MX$FPARM(20,MOTIM),0  
  
MODULE 21 PARAMETERS  
SYMBOL PROCESSING SMI00 2 CO WINDOW 8  
  
INITIAL MB$BPARAM(21,ACT),0  
INITIAL MB$BPARAM(21,PRI),122  
INITIAL MB$BPARAM(21,CONT),1  
INITIAL MB$BPARAM(21,MEM),0  
INITIAL MB$BPARAM(21,QMDNR),0  
INITIAL MB$BPARAM(21,QMAX),2  
INITIAL MB$BPARAM(21,FMIQT),0  
INITIAL MB$BPARAM(21,FMMPT),0  
INITIAL MB$BPARAM(21,FMINW),0  
INITIAL MB$BPARAM(21,INTRL),0  
INITIAL MH$HPARAM(21,WDSIN),0  
INITIAL MH$HPARAM(21,RTIME),0  
INITIAL MH$HPARAM(21,WDOUT),18  
INITIAL MH$HPARAM(21,WTIME),5  
INITIAL MH$HPARAM(21,CORWD),0  
INITIAL MH$HPARAM(21,COWD),0  
INITIAL MX$FPARM(21,IINTR),40000000  
INITIAL MX$FPARM(21,OINTR),40000000  
INITIAL MX$FPARM(21,SOFST),0  
INITIAL MX$FPARM(21,XOFSF),0  
INITIAL MX$FPARM(21,MOTIM),0  
  
MODULE 22 PARAMETERS  
  
INITIAL MB$BPARAM(22,ACT),0  
INITIAL MB$BPARAM(22,PRI),0  
INITIAL MB$BPARAM(22,CONT),0  
INITIAL MB$BPARAM(22,MEM),0  
INITIAL MB$BPARAM(22,QMDNR),0
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INITIAL	MB\$BPARAM(25,FMIOT).0	00006710
INITIAL	MB\$BPARAM(25,FMWPT).0	00006720
INITIAL	MB\$BPARAM(25,FMINW).0	00006730
INITIAL	MB\$BPARAM(25,INTRL).0	00006740
INITIAL	MB\$BPARAM(25,WDSIN).1	00006750
INITIAL	MB\$BPARAM(25,RTIME).5	00006760
INITIAL	MB\$BPARAM(25,WDOUT).8	00006770
INITIAL	MB\$BPARAM(25,WTIME).5	00006780
INITIAL	MB\$BPARAM(25,CORWD).0	00006790
INITIAL	MB\$BPARAM(25,COWD).1	00006800
INITIAL	MB\$BPARAM(25,IINTR).3125	00006810
INITIAL	MB\$BPARAM(25,OINTR).12500	00006820
INITIAL	MB\$BPARAM(25,SOFST).0	00006830
INITIAL	MB\$BPARAM(25,DOFST).0	00006840
INITIAL	MB\$BPARAM(25,MOTIM).0	00006850
INITIAL	MB\$BPARAM(25,ACT).0	00006860
INITIAL	MB\$BPARAM(26,PPI).124	00006870
INITIAL	MB\$BPARAM(26,CONT).1	00006880
INITIAL	MB\$BPARAM(26,MEM).0	00006890
INITIAL	MB\$BPARAM(26,OMNR).28	00006900
INITIAL	MB\$BPARAM(26,QMAX).2	00006910
INITIAL	MB\$BPARAM(26,FMIOT).0	00006920
INITIAL	MB\$BPARAM(26,FMPT).0	00006930
INITIAL	MB\$BPARAM(26,FMINW).0	00006940
INITIAL	MB\$BPARAM(26,INTPL).0	00006950
INITIAL	MB\$BPARAM(26,WDSIN).0	00006960
INITIAL	MB\$BPARAM(26,RTIME).5	00006970
INITIAL	MB\$BPARAM(26,WDOUT).2	00006980
INITIAL	MB\$BPARAM(26,WTIME).5	00006990
INITIAL	MB\$BPARAM(26,CORWD).0	00007000
INITIAL	MB\$BPARAM(26,COWD).1	00007010
INITIAL	MB\$BPARAM(26,IINTR).12500	00007020
INITIAL	MB\$BPARAM(26,OINTR).12500	00007030
INITIAL	MB\$BPARAM(26,SOFST).0	00007040
INITIAL	MB\$BPARAM(26,DOFST).0	00007050
INITIAL	MB\$BPARAM(26,MOTIM).0	00007060
INITIAL	MB\$BPARAM(26,ACT).0	00007070
INITIAL	MB\$BPARAM(26,PPI).124	00007080
INITIAL	MB\$BPARAM(26,CONT).1	00007090
INITIAL	MB\$BPARAM(26,MEM).0	00007100
INITIAL	MB\$BPARAM(26,OMNR).28	00007110
INITIAL	MB\$BPARAM(26,QMAX).2	00007120
INITIAL	MB\$BPARAM(26,FMIOT).0	00007130
INITIAL	MB\$BPARAM(26,FMPT).0	00007140
INITIAL	MB\$BPARAM(26,FMINW).0	00007150
INITIAL	MB\$BPARAM(26,INTPL).0	00007160
INITIAL	MB\$BPARAM(26,WDSIN).0	00007170
INITIAL	MB\$BPARAM(26,RTIME).5	00007180
INITIAL	MB\$BPARAM(26,WDOUT).2	00007190
INITIAL	MB\$BPARAM(26,WTIME).5	00007200
INITIAL	MB\$BPARAM(26,CORWD).0	00007210
INITIAL	MB\$BPARAM(26,COWD).1	00007220
INITIAL	MB\$BPARAM(26,IINTR).12500	00007230
INITIAL	MB\$BPARAM(26,OINTR).12500	00007240
INITIAL	MB\$BPARAM(26,SOFST).0	00007250
INITIAL	MB\$BPARAM(26,DOFST).0	00007260
INITIAL	MB\$BPARAM(26,MOTIM).0	00007270
INITIAL	MB\$BPARAM(26,ACT).0	00007280
INITIAL	MB\$BPARAM(26,PPI).124	00007290
INITIAL	MB\$BPARAM(26,CONT).1	00007300
INITIAL	MB\$BPARAM(26,MEM).0	00007310
INITIAL	MB\$BPARAM(26,OMNR).28	00007320
INITIAL	MB\$BPARAM(26,QMAX).2	00007330
INITIAL	MB\$BPARAM(26,FMIOT).0	00007340
INITIAL	MB\$BPARAM(26,FMPT).0	00007350
INITIAL	MB\$BPARAM(26,FMINW).0	00007360
INITIAL	MB\$BPARAM(26,INTPL).0	00007370
INITIAL	MB\$BPARAM(26,WDSIN).0	00007380
INITIAL	MB\$BPARAM(26,RTIME).5	00007390
INITIAL	MB\$BPARAM(26,WDOUT).2	00007400
INITIAL	MB\$BPARAM(26,WTIME).5	00007410
INITIAL	MB\$BPARAM(26,CORWD).0	00007420
INITIAL	MB\$BPARAM(26,COWD).1	00007430
INITIAL	MB\$BPARAM(26,IINTR).12500	00007440
INITIAL	MB\$BPARAM(26,OINTR).12500	00007450
INITIAL	MB\$BPARAM(26,SOFST).0	00007460
INITIAL	MB\$BPARAM(26,DOFST).0	00007470
INITIAL	MB\$BPARAM(26,MOTIM).0	00007480
INITIAL	MB\$BPARAM(26,ACT).0	00007490
INITIAL	MB\$BPARAM(26,PPI).124	00007500
INITIAL	MB\$BPARAM(26,CONT).1	00007510
INITIAL	MB\$BPARAM(26,MEM).0	00007520
INITIAL	MB\$BPARAM(26,OMNR).28	00007530
INITIAL	MB\$BPARAM(26,QMAX).2	00007540
INITIAL	MB\$BPARAM(26,FMIOT).0	00007550
INITIAL	MB\$BPARAM(26,FMPT).0	00007560
INITIAL	MB\$BPARAM(26,FMINW).0	00007570
INITIAL	MB\$BPARAM(26,INTPL).0	00007580
INITIAL	MB\$BPARAM(26,WDSIN).0	00007590
INITIAL	MB\$BPARAM(26,RTIME).5	00007600
INITIAL	MB\$BPARAM(26,WDOUT).2	00007610
INITIAL	MB\$BPARAM(26,WTIME).5	00007620
INITIAL	MB\$BPARAM(26,CORWD).0	00007630
INITIAL	MB\$BPARAM(26,COWD).1	00007640
INITIAL	MB\$BPARAM(26,IINTR).12500	00007650
INITIAL	MB\$BPARAM(26,OINTR).12500	00007660
INITIAL	MB\$BPARAM(26,SOFST).0	00

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INITIAL	MBSBPARAM(28,INTRL)*0	00007550
INITIAL	MHSHPARM(28,WDSIN)*0	00007560
INITIAL	MHSHPARM(28,RTIME)*20	00007570
INITIAL	MHSHPARM(28,WDOUT)*1040	00007580
INITIAL	MHSHPARM(28,WTIME)*20	00007590
INITIAL	MHSHPARM(28,COWD)*0	00007600
INITIAL	MHSHPARM(28,COWD)*1	00007610
INITIAL	MXSFPARM(28,IINTR)*12500	00007620
INITIAL	MXSFPARM(28,OINTR)*10000000	00007630
INITIAL	MXSFPARM(28,SOFST)*0	00007640
INITIAL	MXSFPARM(28,OOFS)*0	00007650
INITIAL	MXSFPARM(28,MOTIM)*0	00007660
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INITIAL	MBSBPARAM(29,ACT)*0	00007740
INITIAL	MBSBPARAM(29,PRI)*121	00007750
INITIAL	MBSBPARAM(29,CONT)*1	00007760
INITIAL	MBSBPARAM(29,NEW)*0	00007770
INITIAL	MBSBPARAM(29,OMDNR)*0	00007780
INITIAL	MBSBPARAM(29,OMAX)*2	00007790
INITIAL	MBSBPARAM(29,FMIOT)*0	00007800
INITIAL	MBSBPARAM(29,FWPT)*0	00007810
INITIAL	MBSBPARAM(29,INTPL)*0	00007820
INITIAL	MBSBPARAM(29,WDSIN)*0	00007830
INITIAL	MHSHPARM(29,RTIME)*5	00007840
INITIAL	MHSHPARM(29,WDOUT)*520	00007850
INITIAL	MHSHPARM(29,WTIME)*5	00007860
INITIAL	MHSHPARM(29,COWD)*0	00007870
INITIAL	MHSHPARM(29,COWD)*1	00007880
INITIAL	MXSFPARM(29,IINTR)*10000000	00007890
INITIAL	MXSFPARM(29,OINTR)*10000000	00007900
INITIAL	MXSFPARM(29,SOFST)*0	00007910
INITIAL	MXSFPARM(29,OOFS)*0	00007920
INITIAL	MXSFPARM(29,MOTIM)*0	00007930
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		00007950
		00007960

00007970	INITIAL MB\$BPARM(30,ACT),0
00007980	INITIAL MB\$BPARM(30,PR1),0
00007990	INITIAL MB\$BPARM(30,CONT),0
00008000	INITIAL MB\$BPARM(30,MEM),0
00008010	INITIAL MB\$BPARM(30,OMNR),0
00008020	INITIAL MB\$BPARM(30,QMAX),2
00008030	INITIAL MB\$BPARM(30,FMIOT),0
00008040	INITIAL MB\$BPARM(30,FMWPT),0
00008050	INITIAL MB\$BPARM(30,FMINW),0
00008060	INITIAL MB\$BPARM(30,WD\$IN),0
00008070	INITIAL MB\$BPARM(30,RTIME),0
00008080	INITIAL MB\$BPARM(30,WDOUT),0
00008090	INITIAL MB\$BPARM(30,WD\$IN),0
00008100	INITIAL MB\$BPARM(30,WD\$IN),0
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00008200	INITIAL MB\$BPARM(30,WD\$IN),0
00008210	INITIAL MB\$BPARM(30,WD\$IN),0
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00008360	INITIAL MB\$BPARM(30,WD\$IN),0
00008370	INITIAL MB\$BPARM(30,WD\$IN),0
00008380	INITIAL MB\$BPARM(30,WD\$IN),0

MODULE 31 PARAMETERS

INITIAL MB\$BPARM(31,ACT),0
INITIAL MB\$BPARM(31,PR1),0
INITIAL MB\$BPARM(31,CONT),0
INITIAL MB\$BPARM(31,MEM),0
INITIAL MB\$BPARM(31,OMNR),0
INITIAL MB\$BPARM(31,QMAX),2
INITIAL MB\$BPARM(31,FMIOT),0
INITIAL MB\$BPARM(31,FMWPT),0
INITIAL MB\$BPARM(31,FMINW),0
INITIAL MB\$BPARM(31,WD\$IN),0
INITIAL MB\$BPARM(31,RTIME),0


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INITIAL MBSRPARM(33,OMDNR)*0
INITIAL MBSRPARM(33,OMAX)*2
INITIAL MBSRPARM(33,FMIOI)*0
INITIAL MBSRPARM(33,FMPT)*0
INITIAL MBSRPARM(33,FMINT)*0
INITIAL MBSRPARM(33,INTRL)*0
INITIAL MBSRPARM(33,WD SIN)*0
INITIAL MBSRPARM(33,RTIME)*0
INITIAL MBSRPARM(33,WDOUT)*0
INITIAL MBSRPARM(33,WTIME)*0
INITIAL MBSRPARM(33,CORWD)*0
INITIAL MBSRPARM(33,COWD)*0
INITIAL MBSRPARM(33,IINTR)*0
INITIAL MBSRPARM(33,OINTR)*0
INITIAL MBSRPARM(33,SOFST)*0
INITIAL MBSRPARM(33,OOFSI)*0
INITIAL MBSRPARM(33,MOTIM)*0

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MODULE 34 PARAMETERS

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INITIAL MBSRPARM(34,ACT)*0
INITIAL MBSRPARM(34,PRI)*0
INITIAL MBSRPARM(34,CONT)*0
INITIAL MBSRPARM(34,MEM)*0
INITIAL MBSRPARM(34,OMDNR)*2
INITIAL MBSRPARM(34,OMAX)*2
INITIAL MBSRPARM(34,FMIOI)*0
INITIAL MBSRPARM(34,FMPT)*0
INITIAL MBSRPARM(34,FMINT)*0
INITIAL MBSRPARM(34,INTRL)*0
INITIAL MBSRPARM(34,WD SIN)*0
INITIAL MBSRPARM(34,RTIME)*0
INITIAL MBSRPARM(34,WDOUT)*0
INITIAL MBSRPARM(34,WTIME)*0
INITIAL MBSRPARM(34,CORWD)*0
INITIAL MBSRPARM(34,COWD)*0
INITIAL MBSRPARM(34,IINTR)*0
INITIAL MBSRPARM(34,OINTR)*0
INITIAL MBSRPARM(34,SOFST)*0
INITIAL MBSRPARM(34,OOFSI)*0

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INITIAL MXSFARM(34,MOTIM).0

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MODULE 35 PARAMETERS

*

INITIAL MB\$BPARAM(35,ACT).0

*

INITIAL MB\$BPARAM(35,PRI).0

*

INITIAL MB\$BPARAM(35,CONT).0

*

INITIAL MB\$BPARAM(35,MEM).0

*

INITIAL MB\$BPARAM(35,OMDNR).0

*

INITIAL MB\$BPARAM(35,QMAX).2

*

INITIAL MB\$BPARAM(35,FMIOT).0

*

INITIAL MB\$BPARAM(35,FWPT).0

*

INITIAL MB\$BPARAM(35,FMINW).0

*

INITIAL MB\$BPARAM(35,INTRL).0

*

INITIAL MB\$BPARAM(35,WD\$IN).0

*

INITIAL MB\$BPARAM(35,RTIME).0

*

INITIAL MB\$BPARAM(35,WDOUT).0

*

INITIAL MB\$BPARAM(35,WDTIME).0

*

INITIAL MB\$BPARAM(35,CORWD).0

*

INITIAL MB\$BPARAM(35,CO\$WD).0

*

INITIAL MB\$BPARAM(35,IINTR).0

*

INITIAL MB\$BPARAM(35,0INTR).0

*

INITIAL MB\$BPARAM(35,SOFST).0

*

INITIAL MB\$BPARAM(35,FWPT).0

*

INITIAL MB\$BPARAM(35,MOTIM).0

*

MODULES FOR SRR00 EXAMPLE

*

MODULE 36 PARAMETERS
A/D 2 CHANNELS AT 6400 HZ

*

*

*

*

INITIAL MB\$BPARAM(36,ACT).0

*

INITIAL MB\$BPARAM(36,PRI).126

*

INITIAL MB\$BPARAM(36,CONT).1

*

INITIAL MB\$BPARAM(36,MEM).0

*

INITIAL MB\$BPARAM(36,OMDNR).37

*

INITIAL MB\$BPARAM(36,QMAX).2

*

INITIAL MB\$BPARAM(36,FMIOT).0

*

INITIAL MBSHPARM(36,FMNPT).0	00009650
INITIAL MBSHPARM(36,FMINW).0	00009660
INITIAL MBSHPARM(36,INTPL).0	00009670
INITIAL MBSHPARM(36,WDSIN).0	00009680
INITIAL MBSHPARM(36,RTIME).5	00009690
INITIAL MBSHPARM(36,WDOUT).2	00009700
INITIAL MBSHPARM(36,WTIME).5	00009710
INITIAL MBSHPARM(36,CORWD).0	00009720
INITIAL MBSHPARM(36,COWD).1	00009730
INITIAL MBSHPARM(36,INTNR).3125	00009740
INITIAL MX\$FPARM(36,GINTR).3125	00009750
INITIAL MX\$FPARM(36,SOFST).0	00009760
INITIAL MX\$FPARM(36,OOFS).0	00009770
INITIAL MX\$FPARM(36,MOTIM).0	00009780
INITIAL MX\$FPARM(36,MOTIM).0	00009790
INITIAL MX\$FPARM(36,MOTIM).0	00009800
INITIAL MX\$FPARM(36,MOTIM).0	00009810
INITIAL MX\$FPARM(36,MOTIM).0	00009820
INITIAL MX\$FPARM(36,MOTIM).0	00009830
INITIAL MX\$FPARM(36,MOTIM).0	00009840
INITIAL MX\$FPARM(36,MOTIM).0	00009850
INITIAL MX\$FPARM(36,MOTIM).0	00009860
INITIAL MX\$FPARM(36,MOTIM).0	00009870
INITIAL MX\$FPARM(36,MOTIM).0	00009880
INITIAL MX\$FPARM(36,MOTIM).0	00009890
INITIAL MX\$FPARM(36,MOTIM).0	00009900
INITIAL MX\$FPARM(36,MOTIM).0	00009910
INITIAL MX\$FPARM(36,MOTIM).0	00009920
INITIAL MX\$FPARM(36,MOTIM).0	00009930
INITIAL MX\$FPARM(36,MOTIM).0	00009940
INITIAL MX\$FPARM(36,MOTIM).0	00009950
INITIAL MX\$FPARM(36,MOTIM).0	00009960
INITIAL MX\$FPARM(36,MOTIM).0	00009970
INITIAL MX\$FPARM(36,MOTIM).0	00009980
INITIAL MX\$FPARM(36,MOTIM).0	00009990
INITIAL MX\$FPARM(36,MOTIM).0	00010000
INITIAL MX\$FPARM(36,MOTIM).0	00010010
INITIAL MX\$FPARM(36,MOTIM).0	00010020
INITIAL MX\$FPARM(36,MOTIM).0	00010030
INITIAL MX\$FPARM(36,MOTIM).0	00010040
INITIAL MX\$FPARM(36,MOTIM).0	00010050
INITIAL MX\$FPARM(36,MOTIM).0	00010060

MODULE 37 PARAMETERS
IF PRE-PROCESSING SM800

INITIAL MBSHPARM(37,ACT).0	00009840
INITIAL MBSHPARM(37,ACT).0	00009850
INITIAL MBSHPARM(37,CONT).1	00009860
INITIAL MBSHPARM(37,MEM).0	00009870
INITIAL MBSHPARM(37,OMDNR).38	00009880
INITIAL MBSHPARM(37,OMAX).4	00009890
INITIAL MBSHPARM(37,FMOT).0	00009900
INITIAL MBSHPARM(37,FMNPT).0	00009910
INITIAL MBSHPARM(37,FMINW).0	00009920
INITIAL MBSHPARM(37,INTPL).0	00009930
INITIAL MBSHPARM(37,WDSIN).0	00009940
INITIAL MBSHPARM(37,RTIME).5	00009950
INITIAL MBSHPARM(37,WDOUT).8	00009960
INITIAL MBSHPARM(37,WTIME).5	00009970
INITIAL MBSHPARM(37,CORWD).0	00009980
INITIAL MBSHPARM(37,COWD).1	00009990
INITIAL MX\$FPARM(37,GINTR).3125	00010000
INITIAL MX\$FPARM(37,INTNR).25000	00010010
INITIAL MX\$FPARM(37,SOFST).0	00010020
INITIAL MX\$FPARM(37,OOFS).0	00010030
INITIAL MX\$FPARM(37,MOTIM).0	00010040
INITIAL MX\$FPARM(37,MOTIM).0	00010050
INITIAL MX\$FPARM(37,MOTIM).0	00010060

```

*
* MODULE 38 PARAMETERS
* MATCHED FILTER SM800
*
*
* INITIAL MB$PARAM(38,ACT).0
* INITIAL MB$PARAM(38,PRI).124
* INITIAL MB$PARAM(38,CONT).1
* INITIAL MB$PARAM(38,MEM).0
* INITIAL MB$PARAM(38,OMDNR).44
* INITIAL MB$PARAM(38,QMAX).2
* INITIAL MB$PARAM(38,FMIOT).0
* INITIAL MB$PARAM(38,FMPT).0
* INITIAL MB$PARAM(38,FMINW).0
* INITIAL MB$PARAM(38,INTRL).0
* INITIAL MB$PARAM(38,WD SIN).0
* INITIAL MB$PARAM(38,RTIME).5
* INITIAL MB$PARAM(38,WDOUT).2
* INITIAL MB$PARAM(38,RTIME).5
* INITIAL MB$PARAM(38,CORWD).0
* INITIAL MB$PARAM(38,CORWD).1
* INITIAL MX$PARAM(38,INTR).25000
* INITIAL MX$PARAM(38,INTH).25000
* INITIAL MX$PARAM(38,SOFST).0
* INITIAL MX$PARAM(38,OOFS).0
* INITIAL MX$PARAM(38,MOTIM).0
*
*
* MODULE 39 PARAMETERS
* CORRELATOR SM800 2 CO WINDOW 16
*
*
* INITIAL MB$PARAM(39,ACT).0
* INITIAL MB$PARAM(39,PRI).122
* INITIAL MB$PARAM(39,CONT).1
* INITIAL MB$PARAM(39,MEM).0
* INITIAL MB$PARAM(39,OMDNR).41
* INITIAL MB$PARAM(39,QMAX).5
* INITIAL MB$PARAM(39,FMIOT).0
* INITIAL MB$PARAM(39,FMPT).0
* INITIAL MB$PARAM(39,FMINW).0
* INITIAL MB$PARAM(39,INTRL).0

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INITIAL MH\$HPARM(39,WD\$IN).0	00010490
INITIAL MH\$HPARM(39,WTIME).5	00010500
INITIAL MH\$HPARM(39,WDOUT).32	00010510
INITIAL MH\$HPARM(39,WTIME).5	00010520
INITIAL MH\$HPARM(39,CORWD).0	00010530
INITIAL MH\$HPARM(39,CORWD).1	00010540
INITIAL MX\$FPARM(39,IINTR).25000	00010550
INITIAL MX\$FPARM(39,OINTR).40000000	00010560
INITIAL MX\$FPARM(39,SOFST).0	00010570
INITIAL MX\$FPARM(39,OOFTST).0	00010580
INITIAL MX\$FPARM(39,MOTIM).0	00010590
*	00010600
*	00010610
* MODULE 40 PARAMETERS	00010620
* KG DEMUX SM800 C0	00010630
*	00010640
INITIAL MB\$BPARM(40,ACT).0	00010650
INITIAL MB\$BPARM(40,PRI).123	00010660
INITIAL MB\$BPARM(40,CONT).1	00010670
INITIAL MB\$BPARM(40,MEM).0	00010680
INITIAL MB\$BPARM(40,OMAX).44	00010690
INITIAL MB\$BPARM(40,OMAX).2	00010700
INITIAL MB\$BPARM(40,FMIOT).0	00010710
INITIAL MB\$BPARM(40,FMMPT).0	00010720
INITIAL MB\$BPARM(40,FMINW).0	00010730
INITIAL MB\$BPARM(40,INTPL).0	00010740
INITIAL MH\$HPARM(40,WD\$IN).0	00010750
INITIAL MH\$HPARM(40,WTIME).5	00010760
INITIAL MH\$HPARM(40,WDOUT).1	00010770
INITIAL MH\$HPARM(40,WTIME).5	00010780
INITIAL MH\$HPARM(40,CORWD).0	00010790
INITIAL MH\$HPARM(40,CORWD).1	00010800
INITIAL MX\$FPARM(40,IINTR).12500	00010810
INITIAL MX\$FPARM(40,OINTR).25000	00010820
INITIAL MX\$FPARM(40,SOFST).0	00010830
INITIAL MX\$FPARM(40,OOFTST).0	00010840
INITIAL MX\$FPARM(40,MOTIM).0	00010850
*	00010860
*	00010870
* MODULE 41 PARAMETERS	00010880
* SYMBOL PROCESSING SM 2 C0 WINDOW 16	00010890
*	00010900

INITIAL	MB\$BPARM(41,ACT),0	00010911
INITIAL	MB\$BPARM(41,PRI),121	00010920
INITIAL	MB\$BPARM(41,CONT),1	00010930
INITIAL	MB\$BPARM(41,MEM),0	00010940
INITIAL	MB\$BPARM(41,OMDNR),42	00010950
INITIAL	MB\$BPARM(41,QMAX),2	00010960
INITIAL	MB\$BPARM(41,FMIOT),0	00010970
INITIAL	MB\$BPARM(41,FNMP),0	00010980
INITIAL	MB\$BPARM(41,FMINW),0	00010990
INITIAL	MB\$BPARM(41,INTRL),0	00011000
INITIAL	MB\$BPARM(41,WDSIN),0	00011010
INITIAL	MB\$BPARM(41,RTIME),20	00011020
INITIAL	MB\$BPARM(41,WDOOT),0	00011030
INITIAL	MB\$BPARM(41,WTIME),0	00011040
INITIAL	MB\$BPARM(41,CORWD),0	00011050
INITIAL	MB\$BPARM(41,COWD),1	00011060
INITIAL	MB\$BPARM(41,LINTR),40000000	00011070
INITIAL	MB\$BPARM(41,OINTR),40000000	00011080
INITIAL	MB\$BPARM(41,SOFST),0	00011090
INITIAL	MB\$BPARM(41,OOFT),0	00011100
INITIAL	MB\$BPARM(41,MOTIM),12000	00011110
INITIAL		00011120
		00011130
		00011140
		00011150
		00011160
		00011170
		00011180
		00011190
INITIAL	MB\$BPARM(42,ACT),0	00011200
INITIAL	MB\$BPARM(42,PRI),120	00011210
INITIAL	MB\$BPARM(42,CONT),2	00011220
INITIAL	MB\$BPARM(42,MEM),0	00011230
INITIAL	MB\$BPARM(42,OMDNR),37	00011240
INITIAL	MB\$BPARM(42,QMAX),2	00011250
INITIAL	MB\$BPARM(42,FMIOT),0	00011260
INITIAL	MB\$BPARM(42,FNMP),0	00011270
INITIAL	MB\$BPARM(42,FMINW),0	00011280
INITIAL	MB\$BPARM(42,INTRL),41	00011290
INITIAL	MB\$BPARM(42,WDSIN),0	00011300
INITIAL	MB\$BPARM(42,RTIME),0	00011310
INITIAL	MB\$BPARM(42,WDOOT),1	00011320
INITIAL	MB\$BPARM(42,WTIME),20	00011330

INITIAL	MB\$BPARM(44,CONT),1	00011750
INITIAL	MB\$BPARM(44,MEM),0	00011760
INITIAL	MB\$BPARM(44,OWDNR),45	00011770
INITIAL	MB\$BPARM(44,QMAX),5	00011780
INITIAL	MB\$BPARM(44,FMIOT),0	00011790
INITIAL	MB\$BPARM(44,FMPT),0	00011800
INITIAL	MB\$BPARM(44,FMINW),0	00011810
INITIAL	MB\$BPARM(44,INTPL),0	00011820
INITIAL	MB\$BPARM(44,WDSIN),0	00011830
INITIAL	MB\$BPARM(44,RTIME),5	00011840
INITIAL	MB\$BPARM(44,WDOOT),16	00011850
INITIAL	MB\$BPARM(44,WTIME),5	00011860
INITIAL	MB\$BPARM(44,COWD),0	00011870
INITIAL	MB\$BPARM(44,COWD),1	00011880
INITIAL	MB\$BPARM(44,INTPL),25000	00011890
INITIAL	MB\$BPARM(44,OWDNR),10000000	00011900
INITIAL	MB\$BPARM(44,SOFST),0	00011910
INITIAL	MB\$BPARM(44,OWDNR),0	00011920
INITIAL	MB\$BPARM(44,MOTIM),0	00011930
INITIAL	MB\$BPARM(44,MOTIM),0	00011940
INITIAL	MB\$BPARM(44,MOTIM),0	00011950
INITIAL	MB\$BPARM(44,MOTIM),0	00011960
INITIAL	MB\$BPARM(44,MOTIM),0	00011970
INITIAL	MB\$BPARM(44,MOTIM),0	00011980
INITIAL	MB\$BPARM(44,MOTIM),0	00011990
INITIAL	MB\$BPARM(45,ACT),0	00012000
INITIAL	MB\$BPARM(45,PRI),121	00012010
INITIAL	MB\$BPARM(45,CONT),1	00012020
INITIAL	MB\$BPARM(45,MEM),0	00012030
INITIAL	MB\$BPARM(45,OWDNR),46	00012040
INITIAL	MB\$BPARM(45,QMAX),2	00012050
INITIAL	MB\$BPARM(45,FMIOT),0	00012060
INITIAL	MB\$BPARM(45,FMPT),0	00012070
INITIAL	MB\$BPARM(45,FMINW),0	00012080
INITIAL	MB\$BPARM(45,INTPL),0	00012090
INITIAL	MB\$BPARM(45,WDSIN),0	00012100
INITIAL	MB\$BPARM(45,RTIME),20	00012110
INITIAL	MB\$BPARM(45,WDOOT),0	00012120
INITIAL	MB\$BPARM(45,WTIME),0	00012130
INITIAL	MB\$BPARM(45,COWD),0	00012140
INITIAL	MB\$BPARM(45,COWD),1	00012150
INITIAL	MB\$BPARM(45,INTPL),10000000	00012160

MODULE 45 PARAMETERS
SYMBOL PROCESSING SM .5 CO WINDOW 8

INITIAL	MB\$BPARAM(45,ACTI).0	00012001
INITIAL	MB\$BPARAM(45,PRI).121	00012010
INITIAL	MB\$BPARAM(45,CONT).1	00012020
INITIAL	MB\$BPARAM(45,MEM).0	00012030
INITIAL	MB\$BPARAM(45,OMDNR).46	00012040
INITIAL	MB\$BPARAM(45,QMAX).2	00012050
INITIAL	MB\$BPARAM(45,FMIOT).0	00012060
INITIAL	MB\$BPARAM(45,FMIOT).0	00012070
INITIAL	MB\$BPARAM(45,FMIPT).0	00012080
INITIAL	MB\$BPARAM(45,FMINW).0	00012090
INITIAL	MB\$BPARAM(45,INTRL).0	00012100
INITIAL	MB\$BPARAM(45,WDSIN).0	00012110
INITIAL	MB\$BPARAM(45,RTIME).20	00012120
INITIAL	MB\$BPARAM(45,WDOOT).0	00012130
INITIAL	MB\$BPARAM(45,WTIME).0	00012140
INITIAL	MB\$BPARAM(45,CORWD).0	00012150
INITIAL	MB\$BPARAM(45,CORWD).1	00012160
INITIAL	MB\$BPARAM(45,IINTR).10000000	

```
INITIAL MX$FPARM(45,0)INR).10000000
INITIAL MX$FPARM(45,SOFST).0
INITIAL MX$FPARM(45,0OFST).0
INITIAL MX$FPARM(45,MOTIM).12000
```

MODULE 46 PARAMETERS
SYNC PROCESSING SM .5 CO

INITIAL	MB\$BPARM(46,5,ACT1)*.0
INITIAL	MB\$BPARM(46,5,PRI1)*.120
INITIAL	MB\$BPARM(46,5,CONT)*.2
INITIAL	MB\$BPARM(46,5,MEM)*.0
INITIAL	MB\$BPARM(46,5,OMDPR)*.37
INITIAL	MB\$BPARM(46,5,OMAX)*.2
INITIAL	MB\$BPARM(46,5,FMIOT)*.0
INITIAL	MB\$BPARM(46,5,FMPMT)*.0
INITIAL	MB\$BPARM(46,5,FMINV)*.0
INITIAL	MB\$BPARM(46,5,INPL)*.45
INITIAL	MB\$BPARM(46,5,WDSIN)*.0
INITIAL	MB\$BPARM(46,5,RTWE)*.0
INITIAL	MB\$BPARM(46,5,WOUT)*.1
INITIAL	MB\$BPARM(46,5,TIME)*.20
INITIAL	MB\$BPARM(46,5,CORWD)*.0
INITIAL	MB\$BPARM(46,5,COWWD)*.1
INITIAL	MB\$FBPARM(46,5,IINTR)*.100
INITIAL	MB\$FBPARM(46,5,INTR)*.100
INITIAL	MB\$FBPARM(46,5,SOFST)*.0
INITIAL	MB\$FBPARM(46,5,MOFST)*.0
INITIAL	MB\$FBPARM(46,5,HOST)*.200

MODULE 47 PARAMETERS
WORD PROCESSING SM.5 CO

INITIAL MB\$BPARM(47,ACT).0
INITIAL MB\$BPARM(47,PRI).119
INITIAL MB\$BPARM(47,CONT).2
INITIAL MB\$BPARM(47,MEM).0
INITIAL MB\$BPARM(47,OMDNR).0

```

INITIAL MB$BPARM(47,QMAX).2
INITIAL MB$BPARM(47,FMIOT).0
INITIAL MB$BPARM(47,FMPT).0
INITIAL MB$BPARM(47,FMINW).0
INITIAL MB$BPARM(47,INTRL).46
INITIAL MB$BPARM(47,WDSIN).0
INITIAL MB$BPARM(47,RTIME).0
INITIAL MB$BPARM(47,WDOUT).2
INITIAL MB$BPARM(47,WTIME).20
INITIAL MB$BPARM(47,CORWD).0
INITIAL MB$BPARM(47,CORWD).1
INITIAL MB$BPARM(47,IINTR).10000000
INITIAL MB$BPARM(47,OINTR).10000000
INITIAL MX$BPARM(47,SOFST).0
INITIAL MX$BPARM(47,00FST).0
INITIAL MX$BPARM(47,MOTIM).45000
*
*
*
*
MODULE 48 PARAMETERS
*
*
*
INITIAL MB$BPARM(48,ACT).0
INITIAL MB$BPARM(48,PRI).0
INITIAL MB$BPARM(48,CONT).0
INITIAL MB$BPARM(48,MEM).0
INITIAL MB$BPARM(48,OMONR).0
INITIAL MB$BPARM(48,QMAX).2
INITIAL MB$BPARM(48,FMIOT).0
INITIAL MB$BPARM(48,FMPT).0
INITIAL MB$BPARM(48,FMINW).0
INITIAL MB$BPARM(48,INTRL).0
INITIAL MB$BPARM(48,WDSIN).0
INITIAL MB$BPARM(48,RTIME).0
INITIAL MB$BPARM(48,WDOUT).0
INITIAL MB$BPARM(48,WTIME).0
INITIAL MB$BPARM(48,CORWD).0
INITIAL MB$BPARM(48,CORWD).0
INITIAL MX$BPARM(48,IINTR).0
INITIAL MX$BPARM(48,OINTR).0
INITIAL MX$BPARM(48,SOFST).0
INITIAL MX$BPARM(48,00FST).0
INITIAL MX$BPARM(48,MOTIM).0

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MODULE 49 PARAMETERS	
INITIAL MB\$BPARM(49,ACT),0	
INITIAL MB\$BPARM(49,PRI),0	
INITIAL MB\$BPARM(49,CONT),0	
INITIAL MB\$BPARM(49,MEM),0	
INITIAL MB\$BPARM(49,OMDNR),0	
INITIAL MB\$BPARM(49,QMAX),2	
INITIAL MB\$BPARM(49,FMIOT),0	
INITIAL MB\$BPARM(49,FMMPT),0	
INITIAL MB\$BPARM(49,FMINW),0	
INITIAL MB\$BPARM(49,INTRL),0	
INITIAL MB\$BPARM(49,WDSIN),0	
INITIAL MB\$BPARM(49,RTIME),0	
INITIAL MB\$BPARM(49,WDOUT),0	
INITIAL MB\$BPARM(49,WTIME),0	
INITIAL MB\$BPARM(49,CORWD),0	
INITIAL MB\$BPARM(49,COWD),0	
INITIAL MB\$BPARM(49,IINTR),0	
INITIAL MB\$BPARM(49,QINTR),0	
INITIAL MB\$BPARM(49,SOFST),0	
INITIAL MB\$BPARM(49,DOFST),0	
INITIAL MB\$BPARM(49,MOTIM),0	
MODULE 50 PARAMETERS	
INITIAL MB\$BPARM(50,ACT),0	
INITIAL MB\$BPARM(50,PRI),0	
INITIAL MB\$BPARM(50,CONT),0	
INITIAL MB\$BPARM(50,FMMPT),0	
INITIAL MB\$BPARM(50,MEM),0	
INITIAL MB\$BPARM(50,OMDNR),0	
INITIAL MB\$BPARM(50,QMAX),2	
INITIAL MB\$BPARM(50,FMIOT),0	
INITIAL MB\$BPARM(50,FMMPT),0	
INITIAL MB\$BPARM(50,FMINW),0	
INITIAL MB\$BPARM(50,INTRL),0	

INITIAL MHSHPARM(50,WD SIN).0
INITIAL MHSHPARM(50,RTIME).0
INITIAL MHSHPARM(50,WDOUT).0
INITIAL MHSHPARM(50,WTIME).0
INITIAL MHSHPARM(50,CORWD).0
INITIAL MHSHPARM(50,COWD).0
INITIAL MXSFPARM(50,IINTR).0
INITIAL MXSFPARM(50,QINTR).0
INITIAL MXSFPARM(50,SOFST).0
INITIAL MXSFPARM(50,DOFST).0
INITIAL MXSFPARM(50,NOTIM).0

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MODULE 51 PARAMETERS

INITIAL MBSBPARM(51,ACT).0
INITIAL MBSBPARM(51,PRI).0
INITIAL MBSBPARM(51,CONT).0
INITIAL MBSBPARM(51,MEM).0
INITIAL MBSBPARM(51,OMDNR).0
INITIAL MBSBPARM(51,QMAX).2
INITIAL MBSBPARM(51,FMIOT).0
INITIAL MBSBPARM(51,FMINW).0
INITIAL MBSBPARM(51,INTRL).0
INITIAL MBSBPARM(51,WD SIN).0
INITIAL MHSHPARM(51,RTIME).0
INITIAL MHSHPARM(51,WDOUT).0
INITIAL MHSHPARM(51,WTIME).0
INITIAL MHSHPARM(51,CORWD).0
INITIAL MHSHPARM(51,COWD).0
INITIAL MXSFPARM(51,IINTR).0
INITIAL MXSFPARM(51,QINTR).0
INITIAL MXSFPARM(51,SOFST).0
INITIAL MXSFPARM(51,DOFST).0
INITIAL MXSFPARM(51,NOTIM).0

00013590
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MODULE 52 PARAMETERS

INITIAL MBSBPARM(52,ACT).0

INITIAL MB\$RPARM(52,PR1),0	00013850
INITIAL MB\$RPARM(52,CONT),0	00013860
INITIAL MB\$RPARM(52,MEM),0	00013870
INITIAL MB\$RPARM(52,OMDNR),0	00013880
INITIAL MB\$RPARM(52,QMAX),2	00013890
INITIAL MB\$RPARM(52,FMIOT),0	00013900
INITIAL MB\$RPARM(52,FMWPT),0	00013910
INITIAL MB\$RPARM(52,FMINW),0	00013920
INITIAL MB\$RPARM(52,INTRL),0	00013930
INITIAL MH\$HPARM(52,WDSIN),0	00013940
INITIAL MH\$HPARM(52,RTIME),0	00013950
INITIAL MH\$HPARM(52,WDOUT),0	00013960
INITIAL MH\$HPARM(52,WTIME),0	00013970
INITIAL MH\$HPARM(52,CORWD),0	00013980
INITIAL MH\$HPARM(52,COWWD),0	00013990
INITIAL MX\$FPARM(52,IINTR),0	00014000
INITIAL MX\$FPARM(52,OINTR),0	00014010
INITIAL MX\$FPARM(52,SOFST),0	00014020
INITIAL MX\$FPARM(52,UOFST),0	00014030
INITIAL MX\$FPARM(52,MOTIM),0	00014040
	00014050
	00014060
	00014070
	00014080
	00014090
	00014100
	00014110
	00014120
	00014130
	00014140
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	00014260
* * * * *	
* * * * * MODULE 53 PARAMETERS * * * * *	
* * * * *	
INITIAL MB\$RPARM(53,ACT),0	
INITIAL MB\$HPARM(53,PR1),0	
INITIAL MB\$RPARM(53,CONT),0	
INITIAL MB\$RPARM(53,MEM),0	
INITIAL MB\$RPARM(53,OMDNR),0	
INITIAL MB\$RPARM(53,QMAX),2	
INITIAL MB\$RPARM(53,FMIOT),0	
INITIAL MB\$RPARM(53,FMWPT),0	
INITIAL MB\$RPARM(53,FMINW),0	
INITIAL MB\$RPARM(53,INTRL),0	
INITIAL MH\$HPARM(53,WDSIN),0	
INITIAL MH\$HPARM(53,RTIME),0	
INITIAL MH\$HPARM(53,WDOUT),0	
INITIAL MH\$HPARM(53,WTIME),0	
INITIAL MH\$HPARM(53,CORWD),0	
INITIAL MH\$HPARM(53,COWWD),0	
INITIAL MX\$FPARM(53,IINTR),0	

INITIAL MX\$FPARM(53,0INTR),0
INITIAL MX\$FPARM(53,SOFST),0
INITIAL MX\$FPARM(53,0OFST),0
INITIAL MX\$FPARM(53,MOTIM),0

00014270
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MODULE 54 PARAMETERS

INITIAL MB\$BPARM(54,ACT),0
INITIAL MB\$BPARM(54,PRI),0
INITIAL MB\$BPARM(54,CONT),0
INITIAL MB\$BPARM(54,MEM),0
INITIAL MB\$BPARM(54,OMDNR),0
INITIAL MB\$BPARM(54,QMAX),2
INITIAL MB\$BPARM(54,FMIOT),0
INITIAL MB\$BPARM(54,FWPT),0
INITIAL MB\$BPARM(54,FMINW),0
INITIAL MB\$BPARM(54,INRL),0
INITIAL MB\$BPARM(54,WDSIN),0
INITIAL MB\$BPARM(54,RTIME),0
INITIAL MB\$BPARM(54,WDOOT),0
INITIAL MB\$BPARM(54,WTIME),0
INITIAL MB\$BPARM(54,COWD),0
INITIAL MB\$BPARM(54,COWD),0
INITIAL MB\$BPARM(54,INTR),0
INITIAL MX\$FPARM(54,0INTR),0
INITIAL MX\$FPARM(54,SOFST),0
INITIAL MX\$FPARM(54,0OFST),0
INITIAL MX\$FPARM(54,MOTIM),0

MODULE 55 PARAMETERS

INITIAL MB\$BPARM(55,ACT),0
INITIAL MB\$BPARM(55,PRI),0
INITIAL MB\$BPARM(55,CONT),0
INITIAL MB\$BPARM(55,MEM),0
INITIAL MB\$BPARM(55,OMDNR),0
INITIAL MB\$BPARM(55,QMAX),2
INITIAL MB\$BPARM(55,FMIOT),0

INITIAL MB\$BPARAM(55,FMMPT).0
INITIAL MB\$BPARAM(55,FMINW).0
INITIAL MB\$BPARAM(55,INTPL).0
INITIAL MB\$BPARAM(55,WDSIN).0
INITIAL MH\$BPARAM(55,RTIME).0
INITIAL MH\$BPARAM(55,WDOOT).0
INITIAL MH\$BPARAM(55,WTIME).0
INITIAL MH\$BPARAM(55,CORWD).0
INITIAL MH\$BPARAM(55,COWD).0
INITIAL MX\$BPARAM(55,IINTR).0
INITIAL MX\$BPARAM(55,OINTR).0
INITIAL MX\$BPARAM(55,SOFST).0
INITIAL MX\$BPARAM(55,OOFT).0
INITIAL MX\$BPARAM(55,MOTIM).0

*

MODULE 56 PARAMETERS

*

*

INITIAL MB\$BPARAM(56,ACT).0
INITIAL MB\$BPARAM(56,PR1).0
INITIAL MB\$BPARAM(56,CONT).0
INITIAL MB\$BPARAM(56,MEN).0
INITIAL MB\$BPARAM(56,OMDNR).0
INITIAL MB\$BPARAM(56,OMAX).2
INITIAL MB\$BPARAM(56,FMIOT).0
INITIAL MB\$BPARAM(56,FMMPT).0
INITIAL MB\$BPARAM(56,FMINW).0
INITIAL MB\$BPARAM(56,INTPL).0
INITIAL MH\$BPARAM(56,WDSIN).0
INITIAL MH\$BPARAM(56,RTIME).0
INITIAL MH\$BPARAM(56,WDOOT).0
INITIAL MH\$BPARAM(56,WTIME).0
INITIAL MH\$BPARAM(56,CORWD).0
INITIAL MH\$BPARAM(56,COWD).0
INITIAL MX\$BPARAM(56,IINTR).0
INITIAL MX\$BPARAM(56,OINTR).0
INITIAL MX\$BPARAM(56,SOFST).0
INITIAL MX\$BPARAM(56,OOFT).0
INITIAL MX\$BPARAM(56,MOTIM).0

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00014990
00015000
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* MODULE 57 PARAMETERS

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*
*
*      INITIAL MB$BPARM(57,ACT).0
INITIAL MB$BPARM(57,PR1).0
INITIAL MB$BPARM(57,CONT).0
INITIAL MB$BPARM(57,MEN).0
INITIAL MB$BPARM(57,OMDNR).0
INITIAL MB$BPARM(57,QMAX).2
INITIAL MB$BPARM(57,FMIOT).0
INITIAL MB$BPARM(57,FMMPT).0
INITIAL MB$BPARM(57,FMINW).0
INITIAL MB$BPARM(57,INTRL).0
INITIAL MB$BPARM(57,WDOSIN).0
INITIAL MB$BPARM(57,RTIME).0
INITIAL MB$BPARM(57,WDOUT).0
INITIAL MB$BPARM(57,WTIME).0
INITIAL MB$BPARM(57,CORWD).0
INITIAL MB$BPARM(57,COWD).0
INITIAL MB$BPARM(57,IINTR).0
INITIAL MB$BPARM(57,OINTR).0
INITIAL MB$BPARM(57,SOFST).0
INITIAL MB$BPARM(57,OOFT).0
INITIAL MB$BPARM(57,MOTIM).0
*
*
*      MODULE 58 PARAMETERS
*
*
*      INITIAL MB$BPARM(58,ACT).0
INITIAL MB$BPARM(58,PR1).0
INITIAL MB$BPARM(58,CONT).0
INITIAL MB$BPARM(58,MEN).0
INITIAL MB$BPARM(58,OMDNR).0
INITIAL MB$BPARM(58,QMAX).2
INITIAL MB$BPARM(58,FMIOT).0
INITIAL MB$BPARM(58,FMMPT).0
INITIAL MB$BPARM(58,FMINW).0
INITIAL MB$BPARM(58,INTRL).0
INITIAL MB$BPARM(58,WDOSIN).0
INITIAL MB$BPARM(58,RTIME).0
INITIAL MB$BPARM(58,WDOUT).0

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00015120
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INITIAL MB\$PARM(60*MEM)*0
INITIAL MB\$PARM(60*OMDNR)*0
INITIAL MB\$PARM(60*OMAX)*2
INITIAL MB\$PARM(60*FMOT)*0
INITIAL MB\$PARM(60*FMPT)*0
INITIAL MB\$PARM(60*FMINW)*0
INITIAL MB\$PARM(60*INTRL)*0
INITIAL MB\$PARM(60*DSIN)*0
INITIAL MB\$PARM(60*RTIME)*0
INITIAL MB\$PARM(60*WDOUT)*0
INITIAL MB\$PARM(60*WTIME)*0
INITIAL MB\$PARM(60*CORWD)*0
INITIAL MB\$PARM(60*COMWD)*0
INITIAL MX\$PARM(60*INTR)*0
INITIAL MX\$PARM(60*OINTR)*0
INITIAL MX\$PARM(60*SOFT)*0
INITIAL MX\$PARM(60*OOFST)*0
INITIAL MX\$PARM(60*MOTIM)*0

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00016130

LISTING OF
THE SWITCHING SYSTEM MODULE LIBRARY
(SWMODULE)

DSNAME: SNLAL2.SMODULE.CNTL VOLUME: CZISOF DATE: 02/02/77

0000010
0000020

INITIAL XFSTPERD.10000000 500 MS PERIOD

INITIAL XRSTIME.34 17 SEC RUN

INITIAL XRSCCMT.5 SET WRITE TIME TO 250 NS

INITIAL XRSCMEMT.20 SET MEMORY ACCESS TIME TO 1 USEC

00000060
00000070
00000080

* MODULES 1 THRU 17 (EXCEPT 6) ARE BASED ON BUSY HOUR

00000090
00000100
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* MODULE 1 PARAMETERS

* INPUT SERVICE MODULE #1

* PLRS INPUT AND ONE 16-KILOAUD SUBSCRIBER

00000150
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00000200

INITIAL MBHPARM(1,ACT).0

INITIAL MBHPARM(1,PRI).114

INITIAL MBHPARM(1,CONT).0

INITIAL MBHPARM(1,MEM).3

INITIAL MBHPARM(1,FMINT).7

INITIAL MBHPARM(1,FMPT).0

INITIAL MBHPARM(1,FMINTW).0

INITIAL MBHPARM(1,INTPL).0

INITIAL MBHPARM(1,OMDNP).0

INITIAL MBHPARM(1,QMAX).0

INITIAL MBHPARM(1,WOSIN).0

INITIAL MBHPARM(1,RTIME).110

INITIAL MBHPARM(1,WOUT).83

INITIAL MBHPARM(1,TIME).110

INITIAL MBHPARM(1,COWD).2

INITIAL MBHPARM(1,COWD).3

INITIAL MBHPARM(1,INIP).3560000

INITIAL MBHPARM(1,OFST).0

INITIAL MBHPARM(1,OFST).0

INITIAL MBHPARM(1,MOTIM).11000

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INITIAL MBSBPARM(2,ACT).0
INITIAL MBSBPARM(2,PHI).115
INITIAL MBSBPARM(2,CONT).2
INITIAL MBSBPARM(2,MEM).3
INITIAL MBSBPARM(2,FMIOT).0
INITIAL MBSBPARM(2,FMMPT).0
INITIAL MBSBPARM(2,FMINW).7
INITIAL MBSBPARM(2,INIRL).13
INITIAL MBSBPARM(2,OMDNR).0
INITIAL MBSBPARM(2,OMAX).0
INITIAL MBSBPARM(2,OSIN).30
INITIAL MBSBPARM(2,RTIME).110
INITIAL MBSBPARM(2,WDOUT).0
INITIAL MBSBPARM(2,WIIME).110
INITIAL MBSBPARM(2,CORWD).0
INITIAL MBSBPARM(2,COWD).2
INITIAL MBSBPARM(2,INIR).3200000
INITIAL MBSBPARM(2,INIR).3200000
INITIAL MBSBPARM(2,SOFST).0
INITIAL MBSBPARM(2,UOFSI).0
INITIAL MBSBPARM(2,MOTIM).55000

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00000820

INITIAL MBSBPARM(3,ACT).0
INITIAL MBSBPARM(3,PHI).117
INITIAL MBSBPARM(3,CONT).2
INITIAL MBSBPARM(3,MEM).3
INITIAL MBSBPARM(3,FMIOT).0
INITIAL MBSBPARM(3,FMMPT).0
INITIAL MBSBPARM(3,FMINW).0
INITIAL MBSBPARM(3,INIRL).2
INITIAL MBSBPARM(3,OMDNR).0
INITIAL MBSBPARM(3,OMAX).0

INITIAL MHSHPARM(3,WDOSIN).0	00000H30
INITIAL MHSHPARM(3,WTIME).110	00000H40
INITIAL MHSHPARM(3,WDOUT).0	00000H50
INITIAL MHSHPARM(3,WTIME).110	00000H60
INITIAL MHSHPARM(3,COWD).4	00000H70
INITIAL MHSHPARM(3,COWD).1	00000H80
INITIAL MXSEFPARM(3,INIR).3200000	00000H90
INITIAL MXSEFPARM(3,OUTR).3200000	00000900
INITIAL MXSEFPARM(3,SOFST).0	00000910
INITIAL MXSEFPARM(3,DOFST).0	00000920
INITIAL MXSEFPARM(3,MOTIM).33000	00000930
	00000940
	00000950
* MODULE 4 PARAMETERS	00000960
* ROUTING	00000970
	00000980
	00000990
INITIAL MHSHPARM(4,ACT).0	00001000
INITIAL MHSHPARM(4,PR1).118	00001010
INITIAL MHSHPARM(4,CONT).2	00001020
INITIAL MHSHPARM(4,MEM).3	00001030
INITIAL MHSHPARM(4,FMJOT).0	00001040
INITIAL MHSHPARM(4,FMJPT).0	00001050
INITIAL MHSHPARM(4,FMJNW).0	00001060
INITIAL MHSHPARM(4,INTPL).3	00001070
INITIAL MHSHPARM(4,OMDNR).0	00001080
INITIAL MHSHPARM(4,QMAX).0	00001090
INITIAL MHSHPARM(4,WDOSIN).0	00001100
INITIAL MHSHPARM(4,RTIME).110	00001110
INITIAL MHSHPARM(4,WDOUT).6	00001120
INITIAL MHSHPARM(4,WTIME).110	00001130
INITIAL MHSHPARM(4,COR4D).0	00001140
INITIAL MHSHPARM(4,COWD).1	00001150
INITIAL MXSEFPARM(4,INIR).3200000	00001160
INITIAL MXSEFPARM(4,OUTR).3200000	00001170
INITIAL MXSEFPARM(4,SOFST).0	00001180
INITIAL MXSEFPARM(4,DOFST).0	00001190
INITIAL MXSEFPARM(4,MOTIM).33000	00001200
	00001210
	00001220
* MODULE 5 PARAMETERS	00001230
* OUTPUT SERVICE MODULE #1	00001240

*	00001250
*	00001260
	INITIAL MBSHPARM(5,ACT).0
	INITIAL MBSHPARM(5,PRI).119
	INITIAL MBSHPARM(5,CONT).2
	INITIAL MBSHPARM(5,MEM).3
	INITIAL MBSHPARM(5,EMIOI).0
	INITIAL MBSHPARM(5,FMPT).0
	INITIAL MBSHPARM(5,FMINW).5
	INITIAL MBSHPARM(5,INTRL).14
	INITIAL MBSHPARM(5,OMDNR).0
	INITIAL MBSHPARM(5,QMAX).0
	INITIAL MBSHPARM(5,WDSIN).320
	INITIAL MBSHPARM(5,RTIME).110
	INITIAL MBSHPARM(5,WDOOT).0
	INITIAL MBSHPARM(5,WTIME).110
	INITIAL MBSHPARM(5,CORWD).0
	INITIAL MBSHPARM(5,COWD).2
	INITIAL MX\$FPARM(5,INIR).57600000
	INITIAL MX\$FPARM(5,SOFT).0
	INITIAL MX\$FPARM(5,QUEST).0
	INITIAL MX\$FPARM(5,MOTIM).11000
*	00001480
*	00001490
*	00001500
*	00001510
*	00001520
*	00001530
	INITIAL MBSHPARM(6,ACT).0
	INITIAL MBSHPARM(6,PRI).127
	INITIAL MBSHPARM(6,CONT).0
	INITIAL MBSHPARM(6,MEM).3
	INITIAL MBSHPARM(6,EMIOI).0
	INITIAL MBSHPARM(6,FMPT).0
	INITIAL MBSHPARM(6,FMINW).0
	INITIAL MBSHPARM(6,INTRL).0
	INITIAL MBSHPARM(6,OMDNR).0
	INITIAL MBSHPARM(6,QMAX).0
	INITIAL MBSHPARM(6,WDSIN).0
	INITIAL MBSHPARM(6,RTIME).110
	INITIAL MBSHPARM(6,WDOOT).0
	00001660

* MODULE 6 PARAMETERS

* MEMORY MANAGEMENT

*	00001530
	INITIAL MBSHPARM(6,ACT).0
	INITIAL MBSHPARM(6,PRI).127
	INITIAL MBSHPARM(6,CONT).0
	INITIAL MBSHPARM(6,MEM).3
	INITIAL MBSHPARM(6,EMIOI).0
	INITIAL MBSHPARM(6,FMPT).0
	INITIAL MBSHPARM(6,FMINW).0
	INITIAL MBSHPARM(6,INTRL).0
	INITIAL MBSHPARM(6,OMDNR).0
	INITIAL MBSHPARM(6,QMAX).0
	INITIAL MBSHPARM(6,WDSIN).0
	INITIAL MBSHPARM(6,RTIME).110
	INITIAL MBSHPARM(6,WDOOT).0

INITIAL MH\$HPARM(6,TIME),110	00001670
INITIAL MH\$HPARM(6,COPWD),20	00001680
INITIAL MH\$HPARM(6,COWWD),14	00001690
INITIAL MX\$EPARM(6,INTR),100000	00001700
INITIAL MX\$FPARM(6,INTR),100000	00001710
INITIAL MX\$FPARM(6,SOFST),0	00001720
INITIAL MX\$EPARM(6,SOFST),0	00001730
INITIAL MX\$FPARM(6,MOTIM),11000	00001740
°	00001750
°	00001760
°	00001770
°	00001780
°	00001790
° 2 16-KILOBAUD SUBSCRIBERS	00001800
°	00001810
INITIAL MB\$BPARM(7,ACT),0	00001820
INITIAL MB\$BPARM(7,PHI),111	00001830
INITIAL MB\$BPARM(7,CONF),0	00001840
INITIAL MB\$BPARM(7,MEM),3	00001850
INITIAL MB\$BPARM(7,FMIOT),1	00001860
INITIAL MB\$BPARM(7,FMMPT),0	00001870
INITIAL MB\$BPARM(7,ENINW),5	00001880
INITIAL MB\$BPARM(7,INTRL),0	00001890
INITIAL MB\$BPARM(7,UMDNR),0	00001900
INITIAL MB\$BPARM(7,UMAX),0	00001910
INITIAL MH\$HPARM(7,MSIN),0	00001920
INITIAL MH\$HPARM(7,RTIME),110	00001930
INITIAL MH\$HPARM(7,WDOUT),320	00001940
INITIAL MH\$HPARM(7,TIME),110	00001950
INITIAL MH\$HPARM(7,COPWD),2	00001960
INITIAL MH\$HPARM(7,COWWD),2	00001970
INITIAL MX\$FPARM(7,INTR),0	00001980
INITIAL MX\$FPARM(7,INTR),158400000	00001990
INITIAL MX\$EPARM(7,SOFST),10	00002000
INITIAL MX\$FPARM(7,SOFST),11000	00002010
INITIAL MX\$FPARM(7,MOTIM),11000	00002020
°	00002030
°	00002040
°	00002050
°	00002060
°	00002070
°	00002080

° MODULE 8 PARAMETERS

° OUTOUT SERVICE MODULE #2

°

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INITIAL MBSHPARM(R*ACTI).0	00002090
INITIAL MBSHPARM(R*PHI).120	00002100
INITIAL MBSHPARM(R*CONF).2	00002110
INITIAL MBSHPARM(R*MEM).3	00002120
INITIAL MBSHPARM(R*FMIOI).4	00002130
INITIAL MBSHPARM(R*FMMP).0	00002140
INITIAL MBSHPARM(R*FMINI).7	00002150
INITIAL MBSHPARM(R*WDSIN).15	00002160
INITIAL MBSHPARM(R*OMDNR).0	00002170
INITIAL MBSHPARM(R*OMAX).0	00002180
INITIAL MBSHPARM(R*WDSIN).104	00002190
INITIAL MBSHPARM(R*WTIME).110	00002200
INITIAL MBSHPARM(R*WDOUI).0	00002210
INITIAL MBSHPARM(R*WTIME).110	00002220
INITIAL MBSHPARM(R*COR*DI).0	00002230
INITIAL MBSHPARM(R*COM*DI).2	00002240
INITIAL MBSHPARM(R*INIR).5780000	00002250
INITIAL MBSHPARM(R*OINIR).5780000	00002260
INITIAL MBSHPARM(R*SOFSI).0	00002270
INITIAL MBSHPARM(R*OOFST).0	00002280
INITIAL MBSHPARM(R*WOTIM).11000	00002290
INITIAL MBSHPARM(R*WOTIM).11000	00002300
INITIAL MBSHPARM(R*WOTIM).11000	00002310
INITIAL MBSHPARM(R*WOTIM).11000	00002320
INITIAL MBSHPARM(R*WOTIM).11000	00002330
INITIAL MBSHPARM(R*WOTIM).11000	00002340
INITIAL MBSHPARM(R*WOTIM).11000	00002350
INITIAL MBSHPARM(R*WOTIM).11000	00002360
INITIAL MBSHPARM(R*WOTIM).11000	00002370
INITIAL MBSHPARM(R*WOTIM).11000	00002380
INITIAL MBSHPARM(R*WOTIM).11000	00002390
INITIAL MBSHPARM(R*WOTIM).11000	00002400
INITIAL MBSHPARM(R*WOTIM).11000	00002410
INITIAL MBSHPARM(R*WOTIM).11000	00002420
INITIAL MBSHPARM(R*WOTIM).11000	00002430
INITIAL MBSHPARM(R*WOTIM).11000	00002440
INITIAL MBSHPARM(R*WOTIM).11000	00002450
INITIAL MBSHPARM(R*WOTIM).11000	00002460
INITIAL MBSHPARM(R*WOTIM).11000	00002470
INITIAL MBSHPARM(R*WOTIM).11000	00002480
INITIAL MBSHPARM(R*WOTIM).11000	00002490
INITIAL MBSHPARM(R*WOTIM).11000	00002500

MODULE 9 PARAMETERS

INPUT SERVICE MODULE #3

4 SUBSCRIBERS: 1 2400-BAUD, 2 1200-BAUD, 1 600-BAUD SUBSCRIBERS

INITIAL MBSHPARM(R*ACTI).0

INITIAL MBSHPARM(R*PHI).112

INITIAL MBSHPARM(R*CONF).0

INITIAL MBSHPARM(R*MEM).3

INITIAL MBSHPARM(R*FMIOI).1

INITIAL MBSHPARM(R*FMINI).5

INITIAL MBSHPARM(R*WDSIN).0

INITIAL MBSHPARM(R*OMDNR).0

INITIAL MBSHPARM(R*OMAX).0

INITIAL MBSHPARM(R*WDSIN).0

INITIAL MBSHPARM(R*WTIME).110

INITIAL MBSHPARM(R*WDOUI).320

INITIAL MBSHPARM(R*WTIME).110

INITIAL MH\$HPARM(9,CORWD),2	00002510
INITIAL MH\$HPARM(9,CORWD),3	00002520
INITIAL MX\$FPARM(9,INFR),0	00002530
INITIAL MX\$EPARM(9,ONIR),79200000	00002540
INITIAL MX\$FPARM(9,SOFST),1000	00002550
INITIAL MX\$FPARM(9,OOFT),11000	00002560
INITIAL MX\$EPARM(9,MOTIM),11000	00002570
*	00002580
*	00002590
MODULE 10 PARAMETERS	00002600
OUTPUT SERVICE MODULE #3	00002610
*	00002620
*	00002630
INITIAL MB\$HPARM(10,ACT),0	00002640
INITIAL MB\$HPARM(10,PR1),121	00002650
INITIAL MB\$HPARM(10,CONT),2	00002660
INITIAL MB\$HPARM(10,REN),3	00002670
INITIAL MB\$HPARM(10,FMIOT),4	00002680
INITIAL MB\$HPARM(10,FMIPT),0	00002690
INITIAL MB\$HPARM(10,FMIN),7	00002700
INITIAL MB\$HPARM(10,INTPL),16	00002710
INITIAL MB\$HPARM(10,MDNR),0	00002720
INITIAL MB\$HPARM(10,MAX),0	00002730
INITIAL MB\$HPARM(10,WD SIN),104	00002740
INITIAL MB\$HPARM(10,TIME),110	00002750
INITIAL MB\$HPARM(10,WDOUT),0	00002760
INITIAL MB\$HPARM(10,TIME),110	00002770
INITIAL MB\$HPARM(10,CORWD),0	00002780
INITIAL MB\$HPARM(10,CORWD),2	00002790
INITIAL MX\$FPARM(10,INTH),28900000	00002800
INITIAL MX\$EPARM(10,ONIR),28900000	00002810
INITIAL MX\$FPARM(10,SOFST),0	00002820
INITIAL MX\$FPARM(10,OOFT),0	00002830
INITIAL MX\$EPARM(10,MOTIM),11000	00002840
*	00002850
*	00002860
MODULE 11 PARAMETERS	00002870
INPUT SERVICE MODULE #4	00002880
4 SUBSCRIBERS: 1 300-BAUD, 2 110-BAUD SUBSCRIBERS	00002890
*	00002900
*	00002910
INITIAL MB\$HPARM(11,ACT),0	00002920

INITIAL MB\$BPARM(11,PRI).113	00002930
INITIAL MB\$BPARM(11,CONT).0	00002940
INITIAL MB\$BPARM(11,MEM).3	00002950
INITIAL MB\$BPARM(11,FMIOI).1	00002960
INITIAL MB\$BPARM(11,FMMPT).0	00002970
INITIAL MB\$BPARM(11,FMINW).5	00002980
INITIAL MB\$BPARM(11,INTRL).0	00002990
INITIAL MB\$BPARM(11,QMUNR).0	00003000
INITIAL MB\$BPARM(11,QMAX).0	00003010
INITIAL MB\$BPARM(11,QDSIN).0	00003020
INITIAL MB\$BPARM(11,PTIME).110	00003030
INITIAL MB\$BPARM(11,WDOU).320	00003040
INITIAL MB\$BPARM(11,WTIME).110	00003050
INITIAL MB\$BPARM(11,CORWD).2	00003060
INITIAL MB\$BPARM(11,COWD).3	00003070
INITIAL MX\$EFPARM(11,FINIR).0	00003080
INITIAL MX\$FFPARM(11,FINTR).79200000	00003090
INITIAL MX\$FPPARM(11,SOFST).1250	00003100
INITIAL MX\$EFPARM(11,QOESI).5500	00003110
INITIAL MX\$FFPARM(11,MOTIM).11000	00003120
	00003130
	00003140
MODULE 12 PARAMETERS	00003150
OUTPUT SERVICE MODULE *4	00003160
	00003170
	00003180
INITIAL MB\$BPARM(12,ACT).0	00003190
INITIAL MB\$BPARM(12,PRI).122	00003200
INITIAL MB\$BPARM(12,CONT).2	00003210
INITIAL MB\$BPARM(12,NEM).3	00003220
INITIAL MB\$BPARM(12,FMIOI).4	00003230
INITIAL MB\$BPARM(12,FMMPT).0	00003240
INITIAL MB\$BPARM(12,FMINW).7	00003250
INITIAL MB\$BPARM(12,INPL).17	00003260
INITIAL MB\$BPARM(12,QMUNR).0	00003270
INITIAL MB\$BPARM(12,QMAX).0	00003280
INITIAL MB\$BPARM(12,QDSIN).104	00003290
INITIAL MB\$BPARM(12,PTIME).110	00003300
INITIAL MB\$BPARM(12,WDOU).0	00003310
INITIAL MB\$BPARM(12,WTIME).110	00003320
INITIAL MB\$BPARM(12,CORWD).0	00003330
INITIAL MB\$BPARM(12,COWD).2	00003340

MODULE 12 PARAMETERS
OUTPUT SERVICE MODULE #4

INITIAL	MB\$BPARM(12+ACT),0
INITIAL	MB\$BPARM(12+PRI),122
INITIAL	MB\$BPARM(12+CONT),2
INITIAL	MB\$BPARM(12+MEM),3
INITIAL	MB\$BPARM(12+MIO),4
INITIAL	MB\$BPARM(12+FM4PT),0
INITIAL	MB\$BPARM(12+FM1NA),7
INITIAL	MB\$BPARM(12+INPR),17
INITIAL	MB\$BPARM(12+OMNPR),0
INITIAL	MB\$BPARM(12+OMNPR),0
INITIAL	MB\$BPARM(12+DSIN),10
INITIAL	MB\$BPARM(12+PTIME),11
INITIAL	MB\$BPARM(12+SDOUT),0
INITIAL	MB\$BPARM(12+TIME),11
INITIAL	MB\$BPARM(12+COPD),0
INITIAL	MB\$BPARM(12+COWD),2

INITIAL MBSHPARM(14,ACT).0	00003770
INITIAL MBSHPARM(14,PRI).123	00003780
INITIAL MBSHPARM(14,CONT).0	00003790
INITIAL MBSHPARM(14,MEM).3	00003800
INITIAL MBSHPARM(14,FMIOT).4	00003810
INITIAL MBSHPARM(14,FMAP1).0	00003820
INITIAL MBSHPARM(14,FMINW).0	00003830
INITIAL MBSHPARM(14,INTRL).0	00003840
INITIAL MBSHPARM(14,OMDN).0	00003850
INITIAL MBSHPARM(14,OMAX).0	00003860
INITIAL MBSHPARM(14,WSIN).0	00003870
INITIAL MBSHPARM(14,WDOUT).0	00003880
INITIAL MBSHPARM(14,WDOUT).110	00003890
INITIAL MBSHPARM(14,WDOUT).0	00003900
INITIAL MBSHPARM(14,WDOUT).110	00003910
INITIAL MBSHPARM(14,CORWD).2	00003920
INITIAL MBSHPARM(14,CORWD).0	00003930
INITIAL MBSHPARM(14,INTR).100000	00003940
INITIAL MBSHPARM(14,INTR).57600000	00003950
INITIAL MBSHPARM(14,SOFST).0	00003960
INITIAL MBSHPARM(14,SOFT).0	00003970
INITIAL MBSHPARM(14,SOFT).110	00003980
INITIAL MBSHPARM(14,SOFT).110	00003990
INITIAL MBSHPARM(14,SOFT).110	00004000
INITIAL MBSHPARM(14,SOFT).110	00004010
INITIAL MBSHPARM(14,SOFT).110	00004020
INITIAL MBSHPARM(14,SOFT).110	00004030
INITIAL MBSHPARM(14,SOFT).110	00004040
INITIAL MBSHPARM(14,SOFT).110	00004050
INITIAL MBSHPARM(14,SOFT).110	00004060
INITIAL MBSHPARM(14,SOFT).110	00004070
INITIAL MBSHPARM(14,SOFT).110	00004080
INITIAL MBSHPARM(14,SOFT).110	00004090
INITIAL MBSHPARM(14,SOFT).110	00004100
INITIAL MBSHPARM(14,SOFT).110	00004110
INITIAL MBSHPARM(14,SOFT).110	00004120
INITIAL MBSHPARM(14,SOFT).110	00004130
INITIAL MBSHPARM(14,SOFT).110	00004140
INITIAL MBSHPARM(14,SOFT).110	00004150
INITIAL MBSHPARM(14,SOFT).110	00004160
INITIAL MBSHPARM(14,SOFT).110	00004170
INITIAL MBSHPARM(14,SOFT).110	00004180

MODULE 15 PARAMETERS

OSM #2 SCANNER

INITIAL MBSHPARM(15,ACT).0	00004190
INITIAL MBSHPARM(15,PRI).124	00004200
INITIAL MBSHPARM(15,CONT).0	00004210
INITIAL MBSHPARM(15,MEM).3	00004220
INITIAL MBSHPARM(15,FMIOT).4	00004230
INITIAL MBSHPARM(15,FMAP1).0	00004240
INITIAL MBSHPARM(15,FMINW).0	00004250
INITIAL MBSHPARM(15,INTRL).0	00004260
INITIAL MBSHPARM(15,OMDN).0	00004270
INITIAL MBSHPARM(15,OMAX).0	00004280
INITIAL MBSHPARM(15,WSIN).0	00004290
INITIAL MBSHPARM(15,WDOUT).0	00004300
INITIAL MBSHPARM(15,WDOUT).110	00004310
INITIAL MBSHPARM(15,WDOUT).0	00004320
INITIAL MBSHPARM(15,WDOUT).110	00004330

INITIAL MSHPARAM(15,CONWD),2	00004190
INITIAL MSHPARAM(15,CONWD),0	00004200
INITIAL MX\$PARAM(15,INTR),100000	00004210
INITIAL MX\$PARAM(15,INTR),5780000	00004220
INITIAL MX\$PARAM(15,SOFST),0	00004230
INITIAL MX\$PARAM(15,SOFTST),0	00004240
INITIAL MX\$PARAM(15,MOIM),1100	00004250
*	00004260
*	00004270
MODULE 16 PARAMETERS	
OSM # 3 SCANNER	00004290
*	00004300
*	00004310
INITIAL MSHPARAM(16,ACT),0	00004320
INITIAL MSHPARAM(16,PRI),125	00004330
INITIAL MSHPARAM(16,CONI),0	00004340
INITIAL MSHPARAM(16,MEM),3	00004350
INITIAL MSHPARAM(16,FMIOT),4	00004360
INITIAL MSHPARAM(16,FMPT),0	00004370
INITIAL MSHPARAM(16,FMINW),0	00004380
INITIAL MSHPARAM(16,INTRL),0	00004390
INITIAL MSHPARAM(16,OMNR),0	00004400
INITIAL MSHPARAM(16,UMAX),0	00004410
INITIAL MSHPARAM(16,WUSIN),0	00004420
INITIAL MSHPARAM(16,RTIME),110	00004430
INITIAL MSHPARAM(16,ADOUT),0	00004440
INITIAL MSHPARAM(16,RTIME),110	00004450
INITIAL MSHPARAM(16,CONWD),2	00004460
INITIAL MSHPARAM(16,CONWD),0	00004470
INITIAL MX\$PARAM(16,INTR),100000	00004480
INITIAL MX\$PARAM(16,INTR),2890000	00004490
INITIAL MX\$PARAM(15,SOFST),0	00004500
INITIAL MX\$PARAM(16,SOFTST),0	00004510
INITIAL MX\$PARAM(16,MOIM),1100	00004520
*	00004530
*	00004540
MODULE 17 PARAMETERS	
OSM #4 SCANNER	00004550
*	00004560
*	00004570
*	00004580
INITIAL MSHPARAM(17,ACT),0	00004590
INITIAL MSHPARAM(17,PRI),126	00004600

INITIAL M\$B\$PARM(17,COWWD)	00004610
INITIAL M\$B\$PARM(17,MEM)	00004620
INITIAL M\$B\$PARM(17,FMIOT)	00004630
INITIAL M\$B\$PARM(17,FEMPT)	00004640
INITIAL M\$B\$PARM(17,FMINW)	00004650
INITIAL M\$B\$PARM(17,INTPL)	00004660
INITIAL M\$B\$PARM(17,OMDNR)	00004670
INITIAL M\$B\$PARM(17,QMAX)	00004680
INITIAL M\$B\$PARM(17,QDSIN)	00004690
INITIAL M\$B\$PARM(17,TIME),110	00004700
INITIAL M\$B\$PARM(17,WDOOT)	00004710
INITIAL M\$B\$PARM(17,WTIME),110	00004720
INITIAL M\$B\$PARM(17,COWWD),2	00004730
INITIAL M\$B\$PARM(17,COWWD)	00004740
INITIAL M\$B\$PARM(17,INTH),10000	00004750
INITIAL M\$B\$PARM(17,QINIR),2890000	00004760
INITIAL M\$B\$PARM(17,SOFST)	00004770
INITIAL M\$B\$PARM(17,DOFST)	00004780
INITIAL M\$B\$PARM(17,MOIIM),1100	00004790
*****	00004800
*****	00004810
*****	00004820
*****	00004830
*****	00004840
*****	00004850
INITIAL M\$B\$PARM(18,ACT)	00004860
INITIAL M\$B\$PARM(18,PHI)	00004870
INITIAL M\$B\$PARM(18,CONT)	00004880
INITIAL M\$B\$PARM(18,MEM)	00004890
INITIAL M\$B\$PARM(18,FMIOT)	00004900
INITIAL M\$B\$PARM(18,FEMPT)	00004910
INITIAL M\$B\$PARM(18,FMINW)	00004920
INITIAL M\$B\$PARM(18,INTPL)	00004930
INITIAL M\$B\$PARM(18,OMDNR)	00004940
INITIAL M\$B\$PARM(18,QMAX)	00004950
INITIAL M\$B\$PARM(18,QDSIN)	00004960
INITIAL M\$B\$PARM(18,TIME)	00004970
INITIAL M\$B\$PARM(18,WDOOT)	00004980
INITIAL M\$B\$PARM(18,WTIME)	00004990
INITIAL M\$B\$PARM(18,COWWD)	00005000
INITIAL M\$B\$PARM(18,COWWD)	00005010
INITIAL M\$B\$PARM(18,INTH),00000000	00005020

INITIAL MX\$PARAM(18,QINTR).00000000

INITIAL MX\$PARAM(18,SOFST).0 0005030

INITIAL MX\$PARAM(18,OOFS).0 0005040

INITIAL MX\$PARAM(18,MOTIM).0 0005050

INITIAL MX\$PARAM(18,MOTIM).0 0005060

INITIAL MX\$PARAM(18,MOTIM).0 0005070

INITIAL MX\$PARAM(18,MOTIM).0 0005080

INITIAL MX\$PARAM(18,MOTIM).0 0005090

INITIAL MX\$PARAM(18,MOTIM).0 0005100

INITIAL MX\$PARAM(18,MOTIM).0 0005110

INITIAL MX\$PARAM(18,MOTIM).0 0005120

INITIAL MX\$PARAM(18,MOTIM).0 0005130

INITIAL MX\$PARAM(18,MOTIM).0 0005140

INITIAL MX\$PARAM(18,MOTIM).0 0005150

INITIAL MX\$PARAM(18,MOTIM).0 0005160

INITIAL MX\$PARAM(18,MOTIM).0 0005170

INITIAL MX\$PARAM(18,MOTIM).0 0005180

INITIAL MX\$PARAM(18,MOTIM).0 0005190

INITIAL MX\$PARAM(18,MOTIM).0 0005200

INITIAL MX\$PARAM(18,MOTIM).0 0005210

INITIAL MX\$PARAM(18,MOTIM).0 0005220

INITIAL MX\$PARAM(18,MOTIM).0 0005230

INITIAL MX\$PARAM(18,MOTIM).0 0005240

INITIAL MX\$PARAM(18,MOTIM).0 0005250

INITIAL MX\$PARAM(18,MOTIM).0 0005260

INITIAL MX\$PARAM(18,MOTIM).0 0005270

INITIAL MX\$PARAM(18,MOTIM).0 0005280

INITIAL MX\$PARAM(18,MOTIM).0 0005290

INITIAL MX\$PARAM(18,MOTIM).0 0005300

INITIAL MX\$PARAM(18,MOTIM).0 0005310

INITIAL MX\$PARAM(18,MOTIM).0 0005320

INITIAL MX\$PARAM(18,MOTIM).0 0005330

INITIAL MX\$PARAM(18,MOTIM).0 0005340

INITIAL MX\$PARAM(18,MOTIM).0 0005350

INITIAL MX\$PARAM(18,MOTIM).0 0005360

INITIAL MX\$PARAM(18,MOTIM).0 0005370

INITIAL MX\$PARAM(18,MOTIM).0 0005380

INITIAL MX\$PARAM(18,MOTIM).0 0005390

INITIAL MX\$PARAM(18,MOTIM).0 0005400

INITIAL MX\$PARAM(18,MOTIM).0 0005410

INITIAL MX\$PARAM(18,MOTIM).0 0005420

INITIAL MX\$PARAM(18,MOTIM).0 0005430

INITIAL MX\$PARAM(18,MOTIM).0 0005440

MODULE 19 PARAMETERS

INITIAL MB\$PARAM(19,ACT).0

INITIAL MB\$PARAM(19,PRI).0

INITIAL MB\$PARAM(19,CONT).0

INITIAL MB\$PARAM(19,MEM).0

INITIAL MB\$PARAM(19,FMOT).0

INITIAL MB\$PARAM(19,FMPT).0

INITIAL MB\$PARAM(19,EMIN).0

INITIAL MB\$PARAM(19,INTR).0

INITIAL MB\$PARAM(19,OMIN).0

INITIAL MB\$PARAM(19,OMAX).0

INITIAL MB\$PARAM(19,WDSTN).0

INITIAL MB\$PARAM(19,PTIME).0

INITIAL MB\$PARAM(19,WTIME).0

INITIAL MB\$PARAM(19,WTIME).0

INITIAL MB\$PARAM(19,WTIME).0

INITIAL MB\$PARAM(19,WTIME).0

INITIAL MB\$PARAM(19,WTIME).0

INITIAL MB\$PARAM(19,WTIME).0

INITIAL MB\$PARAM(19,WTIME).0

INITIAL MB\$PARAM(19,WTIME).0

INITIAL MB\$PARAM(19,WTIME).0

INITIAL MB\$PARAM(19,WTIME).0

INITIAL MB\$PARAM(19,WTIME).0

INITIAL MB\$PARAM(19,WTIME).0

INITIAL MB\$PARAM(19,WTIME).0

INITIAL MB\$PARAM(19,WTIME).0

INITIAL MB\$PARAM(19,WTIME).0

INITIAL MB\$PARAM(19,WTIME).0

INITIAL MB\$PARAM(19,WTIME).0

INITIAL MB\$PARAM(19,WTIME).0

INITIAL MB\$PARAM(19,WTIME).0

INITIAL MB\$PARAM(19,WTIME).0

INITIAL MB\$PARAM(19,WTIME).0

INITIAL MB\$PARAM(19,WTIME).0

MODULES 20 THRU 35 ARE BASED ON BUSY SECOND

MODULE 20 PARAMETERS

INPUT SERVICE MODULE #1

INITIAL MBSHPARM(20,ACI),0	00005450
INITIAL MBSHPARM(20,PTI),114	00005460
INITIAL MBSHPARM(20,CONT),0	00005470
INITIAL MBSHPARM(20,MEM),3	00005480
INITIAL MBSHPARM(20,FMIOT),7	00005490
INITIAL MBSHPARM(20,FMPPT),0	00005500
INITIAL MBSHPARM(20,FMINW),0	00005510
INITIAL MBSHPARM(20,INTR),0	00005520
INITIAL MBSHPARM(20,OMINP),0	00005530
INITIAL MBSHPARM(20,QMAX),0	00005540
INITIAL MBSHPARM(20,WOSIN),0	00005550
INITIAL MBSHPARM(20,RTIME),110	00005560
INITIAL MBSHPARM(20,WDOUT),108	00005570
INITIAL MBSHPARM(20,WTIME),110	00005580
INITIAL MBSHPARM(20,CORWD),2	00005590
INITIAL MBSHPARM(20,COWWD),3	00005600
INITIAL MBSHPARM(20,IINTR),3180000	00005610
INITIAL MBSHPARM(20,OINTR),3180000	00005620
INITIAL MBSHPARM(20,SOFST),0	00005630
INITIAL MBSHPARM(20,OFFST),0	00005640
INITIAL MBSHPARM(20,MOTIM),11000	00005650
INITIAL MBSHPARM(20,MOTIM),11000	00005660
INITIAL MBSHPARM(21,ACI),0	00005670
INITIAL MBSHPARM(21,PTI),115	00005680
INITIAL MBSHPARM(21,CONT),2	00005690
INITIAL MBSHPARM(21,MEM),3	00005700
INITIAL MBSHPARM(21,FMIOT),0	00005710
INITIAL MBSHPARM(21,FMPPT),0	00005720
INITIAL MBSHPARM(21,FMINW),7	00005730
INITIAL MBSHPARM(21,INTR),31	00005740
INITIAL MBSHPARM(21,OMINP),0	00005750
INITIAL MBSHPARM(21,QMAX),0	00005760
INITIAL MBSHPARM(21,WOSIN),30	00005770
INITIAL MBSHPARM(21,RTIME),110	00005780
INITIAL MBSHPARM(21,WDOUT),0	00005790
INITIAL MBSHPARM(21,WTIME),110	00005800
INITIAL MBSHPARM(21,CORWD),0	00005810
INITIAL MBSHPARM(21,CORWD),0	00005820
INITIAL MBSHPARM(21,CORWD),0	00005830
INITIAL MBSHPARM(21,CORWD),0	00005840
INITIAL MBSHPARM(21,CORWD),0	00005850
INITIAL MBSHPARM(21,CORWD),0	00005860

MODULE 21 PARAMETERS
EDIT/VALIDATION

INITIAL MHSPPARM(21,CONWD).2	00005870
INITIAL MXSPARM(21,INTP).1480000	00005880
INITIAL MXSPARM(21,INTP).1480000	00005890
INITIAL MXSPARM(21,SOFSI).0	00005900
INITIAL MXSPARM(21,OOFSI).0	00005910
INITIAL MXSPARM(21,MOTIM).55000	00005920
	00005930
	00005940
MODULE 22 PARAMETERS	00005950
LOGGING	00005960
	00005970
	00005980
	00005990
INITIAL MBSPPARM(22,ACI).0	00006000
INITIAL MBSPPARM(22,PRI).117	00006010
INITIAL MBSPPARM(22,CONT).2	00006020
INITIAL MBSPPARM(22,MEI).3	00006030
INITIAL MBSPPARM(22,FMIOT).0	00006040
INITIAL MBSPPARM(22,FMIPT).0	00006050
INITIAL MBSPPARM(22,FMINW).0	00006060
INITIAL MBSPPARM(22,INPL).21	00006070
INITIAL MBSPPARM(22,OMONH).0	00006080
INITIAL MBSPPARM(22,OMAX).0	00006090
INITIAL MBSPPARM(22,WUSIN).0	00006100
INITIAL MBSPPARM(22,PTIME).110	00006110
INITIAL MBSPPARM(22,DOUIT).0	00006120
INITIAL MBSPPARM(22,NTIME).110	00006130
INITIAL MBSPPARM(22,CORWD).4	00006140
INITIAL MBSPPARM(22,COWD).1	00006150
INITIAL MXSPARM(22,INTP).1480000	00006160
INITIAL MXSPARM(22,INTP).1480000	00006170
INITIAL MXSPARM(22,SOFSI).0	00006180
INITIAL MXSPARM(22,OOFSI).0	00006190
INITIAL MXSPARM(22,MOTIM).33000	00006200
	00006210
	00006220
MODULE 23 PARAMETERS	00006230
ROUTING	00006240
	00006250
	00006260
INITIAL MBSPPARM(23,ACI).0	00006270
INITIAL MBSPPARM(23,PRI).118	00006280
INITIAL MBSPPARM(23,CONT).2	

INITIAL MBSHPARM(23, MEM1), 3	00006290
INITIAL MBSHPARM(23, FM10T), 0	00006300
INITIAL MBSHPARM(23, FM1PT), 0	00006310
INITIAL MBSHPARM(23, FM1NW), 0	00006320
INITIAL MBSHPARM(23, FM1PL), 22	00006330
INITIAL MBSHPARM(23, FM1NR), 0	00006340
INITIAL MBSHPARM(23, FM1MX), 0	00006350
INITIAL MBSHPARM(23, WDSIN), 0	00006360
INITIAL MBSHPARM(23, WTIME), 110	00006370
INITIAL MBSHPARM(23, WDOU1), 6	00006380
INITIAL MBSHPARM(23, WTIME), 110	00006390
INITIAL MBSHPARM(23, COWD), 0	00006400
INITIAL MBSHPARM(23, COWD1), 1	00006410
INITIAL MBSHPARM(23, IINTR), 1480000	00006420
INITIAL MBSHPARM(23, OINTR), 1480000	00006430
INITIAL MBSHPARM(23, SOEST), 0	00006440
INITIAL MBSHPARM(23, OOFST), 0	00006450
INITIAL MBSHPARM(23, MOTIM), 33000	00006460
INITIAL MBSHPARM(23, MOTIM), 33000	00006470
INITIAL MBSHPARM(23, MOTIM), 33000	00006480
INITIAL MBSHPARM(23, MOTIM), 33000	00006490
INITIAL MBSHPARM(23, MOTIM), 33000	00006500
INITIAL MBSHPARM(23, MOTIM), 33000	00006510
INITIAL MBSHPARM(23, MOTIM), 33000	00006520
INITIAL MBSHPARM(23, MOTIM), 33000	00006530
INITIAL MBSHPARM(23, MOTIM), 33000	00006540
INITIAL MBSHPARM(23, MOTIM), 33000	00006550
INITIAL MBSHPARM(23, MOTIM), 33000	00006560
INITIAL MBSHPARM(23, MOTIM), 33000	00006570
INITIAL MBSHPARM(23, MOTIM), 33000	00006580
INITIAL MBSHPARM(23, MOTIM), 33000	00006590
INITIAL MBSHPARM(23, MOTIM), 33000	00006600
INITIAL MBSHPARM(23, MOTIM), 33000	00006610
INITIAL MBSHPARM(23, MOTIM), 33000	00006620
INITIAL MBSHPARM(23, MOTIM), 33000	00006630
INITIAL MBSHPARM(23, MOTIM), 33000	00006640
INITIAL MBSHPARM(23, MOTIM), 33000	00006650
INITIAL MBSHPARM(23, MOTIM), 33000	00006660
INITIAL MBSHPARM(23, MOTIM), 33000	00006670
INITIAL MBSHPARM(23, MOTIM), 33000	00006680
INITIAL MBSHPARM(23, MOTIM), 33000	00006690
INITIAL MBSHPARM(23, MOTIM), 33000	00006700

MODULE 24 PARAMETERS
OUTPUT SERVICE MODULE #1

INITIAL MBSHPARM(24, ACT1), 0	00006570
INITIAL MBSHPARM(24, PRI), 119	00006580
INITIAL MBSHPARM(24, CONT), 2	00006590
INITIAL MBSHPARM(24, MEM), 3	00006600
INITIAL MBSHPARM(24, FM10T), 0	00006610
INITIAL MBSHPARM(24, FM1PT), 0	00006620
INITIAL MBSHPARM(24, FM1NW), 0	00006630
INITIAL MBSHPARM(24, FM1PL), 5	00006640
INITIAL MBSHPARM(24, FM1NR), 0	00006650
INITIAL MBSHPARM(24, FM1MX), 0	00006660
INITIAL MBSHPARM(24, WDSIN), 0	00006670
INITIAL MBSHPARM(24, WTIME), 110	00006680
INITIAL MBSHPARM(24, WDOU1), 0	00006690
INITIAL MBSHPARM(24, WTIME), 110	00006700
INITIAL MBSHPARM(24, COWD), 0	00006710
INITIAL MBSHPARM(24, COWD1), 2	00006720
INITIAL MBSHPARM(24, IINTR), 5000000	00006730
INITIAL MBSHPARM(24, OINTR), 5000000	00006740
INITIAL MBSHPARM(24, SOEST), 0	00006750
INITIAL MBSHPARM(24, OOFST), 0	00006760
INITIAL MBSHPARM(24, MOTIM), 33000	00006770
INITIAL MBSHPARM(24, MOTIM), 33000	00006780
INITIAL MBSHPARM(24, MOTIM), 33000	00006790
INITIAL MBSHPARM(24, MOTIM), 33000	00006800
INITIAL MBSHPARM(24, MOTIM), 33000	00006810
INITIAL MBSHPARM(24, MOTIM), 33000	00006820
INITIAL MBSHPARM(24, MOTIM), 33000	00006830
INITIAL MBSHPARM(24, MOTIM), 33000	00006840
INITIAL MBSHPARM(24, MOTIM), 33000	00006850
INITIAL MBSHPARM(24, MOTIM), 33000	00006860
INITIAL MBSHPARM(24, MOTIM), 33000	00006870
INITIAL MBSHPARM(24, MOTIM), 33000	00006880
INITIAL MBSHPARM(24, MOTIM), 33000	00006890
INITIAL MBSHPARM(24, MOTIM), 33000	00006900
INITIAL MBSHPARM(24, MOTIM), 33000	00006910
INITIAL MBSHPARM(24, MOTIM), 33000	00006920
INITIAL MBSHPARM(24, MOTIM), 33000	00006930
INITIAL MBSHPARM(24, MOTIM), 33000	00006940
INITIAL MBSHPARM(24, MOTIM), 33000	00006950
INITIAL MBSHPARM(24, MOTIM), 33000	00006960
INITIAL MBSHPARM(24, MOTIM), 33000	00006970
INITIAL MBSHPARM(24, MOTIM), 33000	00006980
INITIAL MBSHPARM(24, MOTIM), 33000	00006990
INITIAL MBSHPARM(24, MOTIM), 33000	00007000

INITIAL M\$FARM(24,SOFST).0 0006710
INITIAL M\$FARM(24,OOFSI).0 0006720
INITIAL M\$FARM(24,MOTIM).11000 0006730
0006740

*
*
* MODULE 25 PARAMETERS
* INPUT SERVICE MODULE #2 0006760
* 2 16-KILOHAUD SUBSCRIBERS 0006770
* 0006790
* 0006800

INITIAL M\$BARM(25,ACT).0 0006810
INITIAL M\$BARM(25,PRI).111 0006820
INITIAL M\$BARM(25,CONTI).0 0006830
INITIAL M\$BARM(25,MEM).3 0006840
INITIAL M\$BARM(25,FMIOT).1 0006850
INITIAL M\$BARM(25,FMPI).0 0006860
INITIAL M\$BARM(25,FMINW).5 0006870
INITIAL M\$BARM(25,INPL).0 0006880
INITIAL M\$BARM(25,OMDNH).0 0006890
INITIAL M\$BARM(25,QMAX).0 0006900
INITIAL M\$BARM(25,WDSIN).0 0006910
INITIAL M\$BARM(25,RTIME).110 0006920
INITIAL M\$BARM(25,WDOUT).320 0006930
INITIAL M\$BARM(25,WTIME).110 0006940
INITIAL M\$BARM(25,COWD).2 0006950
INITIAL M\$BARM(25,COWD).2 0006960
INITIAL M\$BARM(25,INTG).13740000 0006970
INITIAL M\$BARM(25,INTG).13740000 0006980
INITIAL M\$FARM(25,SOFST).0 0006990
INITIAL M\$FARM(25,OOFSI).0 0007000
INITIAL M\$FARM(25,MOTIM).11000 0007010
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0007040

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*
* MODULE 26 PARAMETERS
* OUTPUT SERVICE MODULE #2 0007050
* 0007060
* 0007070

INITIAL M\$BARM(26,ACT).0 0007080
INITIAL M\$BARM(26,PRI).120 0007090
INITIAL M\$BARM(26,CONTI).2 0007100
INITIAL M\$BARM(26,MEM).3 0007110
INITIAL M\$BARM(26,FMIOT).4 0007120

MODULE 27 PARAMETERS		00007130
INITIAL M\$BPARAM(25,FMMPT).0		00007130
INITIAL M\$BPARAM(26,FMIN4).7		00007140
INITIAL M\$BPARAM(26,INTPL).33		00007150
INITIAL M\$BPARAM(25,QMDNR).0		00007160
INITIAL M\$BPARAM(26,QMAX).0		00007170
INITIAL M\$BPARAM(26,WD SIN).215		00007180
INITIAL M\$BPARAM(26,RTIME).110		00007190
INITIAL M\$BPARAM(26,WDOUT).0		00007200
INITIAL M\$BPARAM(26,WTIME).110		00007210
INITIAL M\$BPARAM(26,CORWD).0		00007220
INITIAL M\$BPARAM(26,COWWD).2		00007230
INITIAL M\$BPARAM(26,INTR).2820000		00007240
INITIAL M\$BPARAM(25,MINIR).2820000		00007250
INITIAL M\$BPARAM(26,SOFST).0		00007260
INITIAL M\$BPARAM(26,00FST).0		00007270
INITIAL M\$BPARAM(26,MOIM).11000		00007280
		00007290
		00007300
		00007310
MODULE 27 PARAMETERS		00007320
INPUT SERVICE MODULE #3		00007330
4 SUBSCRIBERS: 1 2400-BAUD, 2 1200-BAUD, 1 600-BAUD SUBSCRIBERS		00007340
		00007350
INITIAL M\$BPARAM(27,ACT).0		00007360
INITIAL M\$BPARAM(27,PR1).112		00007370
INITIAL M\$BPARAM(27,CONT).0		00007380
INITIAL M\$BPARAM(27,MEM).3		00007390
INITIAL M\$BPARAM(27,FMI01).1		00007400
INITIAL M\$BPARAM(27,FMMPT).0		00007410
INITIAL M\$BPARAM(27,FMIN4).5		00007420
INITIAL M\$BPARAM(27,INTPL).0		00007430
INITIAL M\$BPARAM(27,QMDNR).0		00007440
INITIAL M\$BPARAM(27,QMAX).0		00007450
INITIAL M\$BPARAM(27,WD SIN).0		00007460
INITIAL M\$BPARAM(27,RTIME).110		00007470
INITIAL M\$BPARAM(27,WDOUT).320		00007480
INITIAL M\$BPARAM(27,WTIME).110		00007490
INITIAL M\$BPARAM(27,CORWD).2		00007500
INITIAL M\$BPARAM(27,COWWD).3		00007510
INITIAL M\$BPARAM(27,INIR).5880000		00007520
INITIAL M\$BPARAM(27,01NTR).6880000		00007530
INITIAL M\$BPARAM(27,SOFST).0		00007540

INITIAL M\$FARM(27,DOEST).0	00007550
INITIAL M\$FARM(27,MOTIM).11000	00007560
	00007570
	00007580
MODULE 28 PARAMETERS	00007590
OUTPUT SERVICE MODULE #3	00007600
	00007610
	00007620
INITIAL M\$HPARM(28,ACT).0	00007630
INITIAL M\$HPARM(28,PRI).121	00007640
INITIAL M\$HPARM(28,CONT).2	00007650
INITIAL M\$HPARM(28,MEM).3	00007660
INITIAL M\$HPARM(28,FMOT).4	00007670
INITIAL M\$HPARM(28,FMPT).0	00007680
INITIAL M\$HPARM(28,FMINW).7	00007690
INITIAL M\$HPARM(28,INRL).34	00007700
INITIAL M\$HPARM(28,OMINX).0	00007710
INITIAL M\$HPARM(28,OMAX).0	00007720
INITIAL M\$HPARM(28,WDSIN).215	00007730
INITIAL M\$HPARM(28,RTIME).110	00007740
INITIAL M\$HPARM(28,WOOUT).0	00007750
INITIAL M\$HPARM(28,TIME).110	00007760
INITIAL M\$HPARM(28,CORWD).0	00007770
INITIAL M\$HPARM(28,CORWD).2	00007780
INITIAL M\$FARM(28,INTP).1400000	00007790
INITIAL M\$FARM(28,OTINP).1400000	00007800
INITIAL M\$FARM(28,SOEST).0	00007810
INITIAL M\$FARM(28,DOEST).0	00007820
INITIAL M\$FARM(28,MOTIM).11000	00007830
	00007840
	00007850
MODULE 29 PARAMETERS	00007860
INPUT SERVICE MODULE #4	00007870
4 SUBSCRIBERS: 1 300-HAUSD, 1 150-HAUSD, 2 110-HAUSD SUBSCRIBERS	00007880
	00007890
	00007900
INITIAL M\$HPARM(29,ACT).0	00007910
INITIAL M\$HPARM(29,PRI).113	00007920
INITIAL M\$HPARM(29,CONT).0	00007930
INITIAL M\$HPARM(29,MEM).3	00007940
INITIAL M\$HPARM(29,FMOT).1	00007950
INITIAL M\$HPARM(29,FMPT).0	00007960

INITIAL	MB\$BPARM(29,FINW),5	00007970
INITIAL	MB\$BPARM(29,INTPL),0	00007980
INITIAL	MB\$BPARM(29,OMINR),0	00007990
INITIAL	MB\$BPARM(29,QMAX),0	00008000
INITIAL	MB\$BPARM(29,RSIN),0	00008010
INITIAL	MB\$BPARM(29,RTIME),110	00008020
INITIAL	MB\$BPARM(29,WDOUI),320	00008030
INITIAL	MB\$BPARM(29,WTIME),110	00008040
INITIAL	MB\$BPARM(29,CORWD),2	00008050
INITIAL	MB\$BPARM(29,COWD),3	00008060
INITIAL	MX\$FPARM(29,INTP),6800000	00008070
INITIAL	MX\$FPARM(29,INTW),6800000	00008080
INITIAL	MX\$FPARM(29,SQEST),0	00008090
INITIAL	MX\$FPARM(29,OOFT),0	00008100
INITIAL	MX\$FPARM(29,MOTIM),11000	00008110
		00008120
		00008130
		00008140
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		00008160
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		00008180
INITIAL	MB\$BPARM(30,ACT),0	00008190
INITIAL	MB\$BPARM(30,PPI),122	00008200
INITIAL	MB\$BPARM(30,CONT),2	00008210
INITIAL	MB\$BPARM(30,MEV),3	00008220
INITIAL	MB\$BPARM(30,FMIOT),4	00008230
INITIAL	MB\$BPARM(30,FWPT),0	00008240
INITIAL	MB\$BPARM(30,FINW),7	00008250
INITIAL	MB\$BPARM(30,INTPL),35	00008260
INITIAL	MB\$BPARM(30,OMDNR),0	00008270
INITIAL	MB\$BPARM(30,QMAX),0	00008280
INITIAL	MB\$BPARM(30,RSIN),215	00008290
INITIAL	MB\$BPARM(30,RTIME),110	00008300
INITIAL	MB\$BPARM(30,WDOUI),0	00008310
INITIAL	MB\$BPARM(30,WTIME),110	00008320
INITIAL	MB\$BPARM(30,CORWD),0	00008330
INITIAL	MB\$BPARM(30,COWD),2	00008340
INITIAL	MX\$FPARM(30,INTP),1400000	00008350
INITIAL	MX\$FPARM(30,INTW),1400000	00008360
INITIAL	MX\$FPARM(30,SQEST),0	00008370
INITIAL	MX\$FPARM(30,OOFT),0	00008380
INITIAL	MX\$FPARM(30,MOTIM),11000	00008390

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MODULES FOR POLLING QUEUES (MAILBOXES)	

MODULE 31 PARAMETERS	
EDIT/VALIDATION SCANNER	

INITIAL MBSHPARM(31,ACT),0	
INITIAL MBSHPARM(31,PB1),116	
INITIAL MBSHPARM(31,CONT),0	
INITIAL MBSHPARM(31,MEW),3	
INITIAL MBSHPARM(31,FMIOI),0	
INITIAL MBSHPARM(31,FMFPT),0	
INITIAL MBSHPARM(31,FMINW),0	
INITIAL MBSHPARM(31,INIRL),0	
INITIAL MBSHPARM(31,OWDNP),0	
INITIAL MBSHPARM(31,QMAX),0	
INITIAL MBSHPARM(31,WDSIN),0	
INITIAL MBSHPARM(31,RTIME),110	
INITIAL MBSHPARM(31,WDOU),0	
INITIAL MBSHPARM(31,RTIMEF),110	
INITIAL MBSHPARM(31,COWD),12	
INITIAL MBSHPARM(31,COWD),0	
INITIAL MBSHPARM(31,INIR),100000	
INITIAL MBSHPARM(31,OUTR),1440000	
INITIAL MBSHPARM(31,MOTIM),1100	

MODULE 32 PARAMETERS	
OSM #1 SCANNER	

INITIAL MBSHPARM(32,ACT),0	
INITIAL MBSHPARM(32,PB1),123	
INITIAL MBSHPARM(32,CONT),0	
INITIAL MBSHPARM(32,MEW),3	
INITIAL MBSHPARM(32,FMIOI),4	
INITIAL MBSHPARM(32,FMFPT),0	

INITIAL MB\$BPARM(32,FINW),0	0000810
INITIAL MB\$BPARM(32,INTRL),0	0000820
INITIAL MB\$BPARM(32,OMDNR),0	0000830
INITIAL MB\$BPARM(32,OMAX),0	0000840
INITIAL MB\$BPARM(32,WD\$IN),0	0000850
INITIAL MB\$BPARM(32,RTIME),110	0000860
INITIAL MB\$BPARM(32,WDOUT),0	0000870
INITIAL MB\$BPARM(32,WTIME),110	0000880
INITIAL MB\$BPARM(32,COWD),2	0000890
INITIAL MB\$BPARM(32,COWD),0	0000900
INITIAL MX\$FPARM(32,INTR),100000	0000910
INITIAL MX\$FPARM(32,INTR),5000000	0000920
INITIAL MX\$FPARM(32,SOEST),0	0000930
INITIAL MX\$FPARM(32,OOFT),0	0000940
INITIAL MX\$FPARM(32,MOTIM),1100	0000950
	0000960
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* * MODULE 33 PARAMETERS	
* * OSM #2 SCANNER	
* *	
* *	
INITIAL MB\$BPARM(33,ACT),0	
INITIAL MB\$BPARM(33,PR1),124	
INITIAL MB\$BPARM(33,CONT),0	
INITIAL MB\$BPARM(33,REV),3	
INITIAL MB\$BPARM(33,FMIOT),4	
INITIAL MB\$BPARM(33,FMIPT),0	
INITIAL MB\$BPARM(33,FMIW),0	
INITIAL MB\$BPARM(33,INTRL),0	
INITIAL MB\$BPARM(33,OMDNR),0	
INITIAL MB\$BPARM(33,OMAX),0	
INITIAL MB\$BPARM(33,WD\$IN),0	
INITIAL MB\$BPARM(33,RTIME),110	
INITIAL MB\$BPARM(33,WDOUT),0	
INITIAL MB\$BPARM(33,WTIME),110	
INITIAL MB\$BPARM(33,COWD),2	
INITIAL MB\$BPARM(33,COWD),0	
INITIAL MX\$FPARM(33,INTR),100000	
INITIAL MX\$FPARM(33,INTR),200000	
INITIAL MX\$FPARM(33,SOEST),0	
INITIAL MX\$FPARM(33,OOFT),0	
INITIAL MX\$FPARM(33,MOTIM),1100	

*	00009230
*	00009240
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*	00009260
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*	00009280
*	00009290
INITIAL MBSHPARM(34,ACT).0	00009300
INITIAL MBSHPARM(34,PRI).125	00009310
INITIAL MBSHPARM(34,CONT).0	00009320
INITIAL MBSHPARM(34,FEW).3	00009330
INITIAL MBSHPARM(34,FM1OT).4	00009340
INITIAL MBSHPARM(34,FMWPT).0	00009350
INITIAL MBSHPARM(34,FMINW).0	
INITIAL MBSHPARM(34,INTRL).0	00009360
INITIAL MBSHPARM(34,OMDNR).0	00009370
INITIAL MBSHPARM(34,OMAX).0	00009380
INITIAL MBSHPARM(34,ODSIN).0	00009390
INITIAL MBSHPARM(34,RTIME).110	00009400
INITIAL MBSHPARM(34,DOUI).0	00009410
INITIAL MBSHPARM(34,WTIME).110	00009420
INITIAL MBSHPARM(34,COMD).2	00009430
INITIAL MBSHPARM(34,COMD).0	00009440
INITIAL MBSHPARM(34,INTH).100000	00009450
INITIAL MBSHPARM(34,INTH).1400000	00009460
INITIAL MBSHPARM(34,SOFST).0	00009470
INITIAL MBSHPARM(34,SOFST).0	00009480
INITIAL MBSHPARM(34,SOFST).0	00009490
INITIAL MBSHPARM(34,MOTIM).1100	00009500
*	00009510
*	00009520
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*	00009540
*	00009550
*	00009560
INITIAL MBSHPARM(35,ACT).0	00009570
INITIAL MBSHPARM(35,PRI).126	00009580
INITIAL MBSHPARM(35,CONT).0	00009590
INITIAL MBSHPARM(35,FEW).3	00009600
INITIAL MBSHPARM(35,FM1OT).4	00009610
INITIAL MBSHPARM(35,FMWPT).0	00009620
INITIAL MBSHPARM(35,FMINW).0	00009630
INITIAL MBSHPARM(35,INTRL).0	00009640
INITIAL MBSHPARM(35,OMDNR).0	

MODULE 35 PARAMETERS
OSM #4 SCANNER


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INITIAL MHSHPARM(35,JMAX).0      00009650
INITIAL MHSHPARM(35,WDSIN).0      00009660
INITIAL MHSHPARM(35,RTIME).110    00009670
INITIAL MHSHPARM(35,WDOUT).0      00009680
INITIAL MHSHPARM(35,WTIME).110    00009690
INITIAL MHSHPARM(35,COWD).2       00009700
INITIAL MHSHPARM(35,COWD).0       00009710
INITIAL MX$FFARM(35,IINTR).100000  00009720
INITIAL MX$FFARM(35,OINTR).1*00000 00009730
INITIAL MX$FFARM(35,SOFST).0      00009740
INITIAL MHSHPARM(35,FMPT).0       00009750
INITIAL MX$FFARM(35,MOTIM).1100   00009760
                                     00009770
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*                                00009780
*                                00009790
*                                00009800
*                                00009810
*                                00009820
*                                00009830
INITIAL MHSHPARM(36,ACTI).0      00009840
INITIAL MHSHPARM(36,CONT).0      00009850
INITIAL MHSHPARM(36,MENJ).0      00009860
INITIAL MHSHPARM(36,FMIOT).0     00009870
INITIAL MHSHPARM(36,FMPT).0      00009880
INITIAL MHSHPARM(36,FMINW).0     00009890
INITIAL MHSHPARM(36,INTRL).0     00009900
INITIAL MHSHPARM(36,OMDNP).0     00009910
INITIAL MHSHPARM(36,JMAX).0      00009920
INITIAL MHSHPARM(36,WDSIN).0     00009930
INITIAL MHSHPARM(36,RTIME).0     00009940
INITIAL MHSHPARM(36,WDOUT).0     00009950
INITIAL MHSHPARM(36,WTIME).0     00009960
INITIAL MHSHPARM(36,COWD).0      00009970
INITIAL MHSHPARM(36,COWD).0      00009980
INITIAL MX$FFARM(36,IINTR).0     00009990
INITIAL MX$FFARM(36,OINTR).0     00010000
INITIAL MX$FFARM(36,SOFST).0     00010010
INITIAL MX$FFARM(36,OFST).0      00010020
INITIAL MX$FFARM(36,MOTIM).0     00010030
                                     00010040
*                                00010050
*                                00010060

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MODULE 36. PARAMETERS

*	00010070
*	00010080
*	00010090
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*	00010480

MODULE 37 PARAMETERS	
INITIAL M8\$BPARM(37,ACT).0	
INITIAL M8\$BPARM(37,PHI).0	
INITIAL M8\$BPARM(37,CONT).0	
INITIAL M8\$BPARM(37,MEM).0	
INITIAL M8\$BPARM(37,FMIOT).0	
INITIAL M8\$BPARM(37,FMMPT).0	
INITIAL M8\$BPARM(37,FMINW).0	
INITIAL M8\$BPARM(37,INTRL).0	
INITIAL M8\$BPARM(37,WD\$IN).0	
INITIAL M8\$BPARM(37,RTIME).0	
INITIAL M8\$BPARM(37,DOOUT).0	
INITIAL M8\$BPARM(37,RTIME).0	
INITIAL M8\$BPARM(37,COWD).0	
INITIAL M8\$BPARM(37,COWD).0	
INITIAL M8\$BPARM(37,INTR).0000	
INITIAL M8\$BPARM(37,SOFST).0	
INITIAL M8\$BPARM(37,DOFST).0	
INITIAL M8\$BPARM(37,DOFST).0000	

MODULE 38 PARAMETERS	
INITIAL M8\$BPARM(38,ACT).0	
INITIAL M8\$BPARM(38,PHI).0	
INITIAL M8\$BPARM(38,CONT).0	
INITIAL M8\$BPARM(38,MEM).0	
INITIAL M8\$BPARM(38,FMIOT).0	
INITIAL M8\$BPARM(38,FMMPT).0	
INITIAL M8\$BPARM(38,FMINW).0	
INITIAL M8\$BPARM(38,INTRL).0	
INITIAL M8\$BPARM(38,WD\$IN).0	
INITIAL M8\$BPARM(38,RTIME).0	
INITIAL M8\$BPARM(38,DOOUT).0	
INITIAL M8\$BPARM(38,RTIME).0	

INITIAL M\$H\$PARM(38,CORWD).0	00010490
INITIAL M\$H\$PARM(38,COWD).0	00010500
INITIAL M\$H\$PARM(38,IINTR).0000	00010510
INITIAL M\$H\$PARM(38,OFST).0000	00010520
INITIAL M\$H\$PARM(38,SOFT).0	00010530
INITIAL M\$H\$PARM(38,OOFT).0	00010540
INITIAL M\$H\$PARM(38,MOIM).0	00010550
INITIAL M\$H\$PARM(38,ACT).0	00010560
INITIAL M\$H\$PARM(38,PHI).0	00010570
INITIAL M\$H\$PARM(38,CONT).0	00010580
INITIAL M\$H\$PARM(38,MEM).0	00010590
INITIAL M\$H\$PARM(38,FMINT).0	00010600
INITIAL M\$H\$PARM(38,FMINT).0	00010610
INITIAL M\$H\$PARM(38,FMINT).0	00010620
INITIAL M\$H\$PARM(38,FMINT).0	00010630
INITIAL M\$H\$PARM(38,FMINT).0	00010640
INITIAL M\$H\$PARM(38,FMINT).0	00010650
INITIAL M\$H\$PARM(38,FMINT).0	00010660
INITIAL M\$H\$PARM(38,FMINT).0	00010670
INITIAL M\$H\$PARM(38,FMINT).0	00010680
INITIAL M\$H\$PARM(38,FMINT).0	00010690
INITIAL M\$H\$PARM(38,FMINT).0	00010700
INITIAL M\$H\$PARM(38,FMINT).0	00010710
INITIAL M\$H\$PARM(38,FMINT).0	00010720
INITIAL M\$H\$PARM(38,FMINT).0	00010730
INITIAL M\$H\$PARM(38,FMINT).0	00010740
INITIAL M\$H\$PARM(38,FMINT).0	00010750
INITIAL M\$H\$PARM(38,FMINT).0	00010760
INITIAL M\$H\$PARM(38,FMINT).0	00010770
INITIAL M\$H\$PARM(38,FMINT).0	00010780
INITIAL M\$H\$PARM(38,FMINT).0	00010790
INITIAL M\$H\$PARM(38,FMINT).0	00010800
INITIAL M\$H\$PARM(38,FMINT).0	00010810
INITIAL M\$H\$PARM(38,FMINT).0	00010820
INITIAL M\$H\$PARM(38,FMINT).0	00010830
INITIAL M\$H\$PARM(38,FMINT).0	00010840
INITIAL M\$H\$PARM(38,FMINT).0	00010850
INITIAL M\$H\$PARM(38,FMINT).0	00010860
INITIAL M\$H\$PARM(38,FMINT).0	00010870
INITIAL M\$H\$PARM(38,FMINT).0	00010880
INITIAL M\$H\$PARM(38,FMINT).0	00010890
INITIAL M\$H\$PARM(38,FMINT).0	00010900

```

INITIAL MR$HPARM(40,INTRL).0      00010910
INITIAL MH$HPARM(40,DSIN).0        00010920
INITIAL MH$HPARM(40,PTIME).0        00010930
INITIAL MH$HPARM(40,DOUUI).0        00010940
INITIAL MH$HPARM(40,WTIME).0        00010950
INITIAL MH$HPARM(40,COHWD).0        00010960
INITIAL MH$HPARM(40,CONWD).0        00010970
INITIAL MX$FPARM(40,IINTR).0000      00010980
INITIAL MX$FPARM(40,INTR).0000      00010990
INITIAL MX$FPARM(40,SOEST).0        00011000
INITIAL MX$FPARM(40,COFST).0        00011010
INITIAL MX$FPARM(40,MOTIM).0        00011020
INITIAL MX$FPARM(40,MOTIM).0        00011030

```

* MODULE 41 PARAMETERS

```

INITIAL MR$RPARM(41,ACT).0          00011040
INITIAL MR$RPARM(41,ACT).0          00011050
INITIAL MR$RPARM(41,ACT).0          00011060
INITIAL MR$RPARM(41,ACT).0          00011070
INITIAL MR$RPARM(41,ACT).0          00011080
INITIAL MR$RPARM(41,ACT).0          00011090
INITIAL MR$RPARM(41,ACT).0          00011100
INITIAL MR$RPARM(41,ACT).0          00011110
INITIAL MR$RPARM(41,ACT).0          00011120
INITIAL MR$RPARM(41,ACT).0          00011130
INITIAL MR$RPARM(41,ACT).0          00011140
INITIAL MR$RPARM(41,ACT).0          00011150
INITIAL MR$RPARM(41,ACT).0          00011160
INITIAL MR$RPARM(41,ACT).0          00011170
INITIAL MR$RPARM(41,ACT).0          00011180
INITIAL MR$RPARM(41,ACT).0          00011190
INITIAL MR$RPARM(41,ACT).0          00011200
INITIAL MR$RPARM(41,ACT).0          00011210
INITIAL MR$RPARM(41,ACT).0          00011220
INITIAL MX$FPARM(41,IINTR).00000000 00011230
INITIAL MX$FPARM(41,SOEST).0        00011240
INITIAL MX$FPARM(41,COFST).0        00011250
INITIAL MX$FPARM(41,MOTIM).0        00011260
INITIAL MX$FPARM(41,MOTIM).0        00011270

```

* MODULE 42 PARAMETERS

```

INITIAL MB$BPARAM(42,ACT).0        00011280
INITIAL MB$BPARAM(42,ACT).0        00011290
INITIAL MB$BPARAM(42,ACT).0        00011300
INITIAL MB$BPARAM(42,ACT).0        00011310
INITIAL MB$BPARAM(42,ACT).0        00011320

```


INITIAL MBSHPARM(42,PR1),0	00011330
INITIAL MBSHPARM(42,CONT),0	00011340
INITIAL MBSHPARM(42,MEW),0	00011350
INITIAL MBSHPARM(42,FM101),0	00011360
INITIAL MBSHPARM(42,FMHPT),0	00011370
INITIAL MBSHPARM(42,FM1NW),0	00011380
INITIAL MBSHPARM(42,IN1RL),0	00011390
INITIAL MBSHPARM(42,WD SIN),0	00011400
INITIAL MBSHPARM(42,RTIME),0	00011410
INITIAL MBSHPARM(42,WDOUT),0	00011420
INITIAL MBSHPARM(42,WTIME),0	00011430
INITIAL MBSHPARM(42,CORWD),0	00011440
INITIAL MBSHPARM(42,CORWD),0	00011450
INITIAL MXSFPARM(42,IINTR),0000000000	00011460
INITIAL MXSFPARM(42,OINTR),0000000000	00011470
INITIAL MXSFPARM(42,SOFST),0	00011480
INITIAL MXSFPARM(42,DOFST),0	00011490
INITIAL MXSFPARM(42,MOTIM),0	00011500
	00011510
* * * MODULE 43 PARAMETERS	00011520
	00011530
	00011540
	00011550
INITIAL MBSHPARM(43,ACT),0	00011560
INITIAL MBSHPARM(43,PR1),0	00011570
INITIAL MBSHPARM(43,CONT),0	00011580
INITIAL MBSHPARM(43,MEW),0	00011590
INITIAL MBSHPARM(43,FM101),0	00011600
INITIAL MBSHPARM(43,FMHPT),0	00011610
INITIAL MBSHPARM(43,FM1NW),0	00011620
INITIAL MBSHPARM(43,IN1RL),0	00011630
INITIAL MBSHPARM(43,WD SIN),0	00011640
INITIAL MBSHPARM(43,RTIME),0	00011650
INITIAL MBSHPARM(43,WDOUT),0	00011660
INITIAL MBSHPARM(43,WTIME),0	00011670
INITIAL MBSHPARM(43,CORWD),0	00011680
INITIAL MBSHPARM(43,CORWD),0	00011690
INITIAL MXSFPARM(43,IINTR),0000000000	00011700
INITIAL MXSFPARM(43,OINTR),0000000000	00011710
INITIAL MXSFPARM(43,SOFST),0	00011720
INITIAL MXSFPARM(43,DOFST),0	00011730
INITIAL MXSFPARM(43,MOTIM),0	00011740

00011750
00011760
00011770
00011780
00011790
00011800
00011810
00011820
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00012040
00012050
00012060
00012070
00012080
00012090
00012100
00012110
00012120
00012130
00012140
00012150
00012160

MODULE 44 PARAMETERS

INITIAL M\$HPARM(44,ACT).0
INITIAL M\$HPARM(44,PHI).0
INITIAL M\$HPARM(44,CONT).0
INITIAL M\$HPARM(44,MEM).0
INITIAL M\$HPARM(44,FMINIOT).0
INITIAL M\$HPARM(44,FMMPT).0
INITIAL M\$HPARM(44,FMINW).0
INITIAL M\$HPARM(44,INPL).0
INITIAL M\$HPARM(44,DSIN).0
INITIAL M\$HPARM(44,PTIME).0
INITIAL M\$HPARM(44,DDUI).0
INITIAL M\$HPARM(44,TIME).0
INITIAL M\$HPARM(44,CORWD).0
INITIAL M\$HPARM(44,COWD).0
INITIAL M\$HPARM(44,INTW).00000000
INITIAL M\$HPARM(44,SOFSI).0
INITIAL M\$HPARM(44,OFST).0
INITIAL M\$HPARM(44,MOTIM).0

MODULE 45 PARAMETERS

INITIAL M\$HPARM(45,ACT).0
INITIAL M\$HPARM(45,PHI).0
INITIAL M\$HPARM(45,CONT).0
INITIAL M\$HPARM(45,MEM).0
INITIAL M\$HPARM(45,FMINIOT).0
INITIAL M\$HPARM(45,FMMPT).0
INITIAL M\$HPARM(45,FMINW).0
INITIAL M\$HPARM(45,INPL).0
INITIAL M\$HPARM(45,DSIN).0
INITIAL M\$HPARM(45,PTIME).0
INITIAL M\$HPARM(45,DDUI).0
INITIAL M\$HPARM(45,TIME).0
INITIAL M\$HPARM(45,CORWD).0

INITIAL MBSHPARM(45,COWD),0
INITIAL MXSFPARM(45,IINT),00000000
INITIAL MXSFPARM(45,OINT),00000000
INITIAL MXSFPARM(45,SOFST),0
INITIAL MXSFPARM(45,MOFT),0
INITIAL MXSFPARM(45,MOIM),0

00012170
00012180
00012190
00012200
00012210
00012220
00012230
00012240
00012250
00012260

MODULE 46 PARAMETERS

INITIAL MBSHPARM(46,ACT),0
INITIAL MBSHPARM(46,PRI),0
INITIAL MBSHPARM(46,CONT),0
INITIAL MBSHPARM(46,MEM),0
INITIAL MBSHPARM(46,FMIOI),0
INITIAL MBSHPARM(46,FMFPT),0
INITIAL MBSHPARM(46,FMINW),0
INITIAL MBSHPARM(46,INPL),0
INITIAL MBSHPARM(46,WSIN),0
INITIAL MBSHPARM(46,RTIME),0
INITIAL MBSHPARM(46,WDOUT),0
INITIAL MBSHPARM(46,WTIME),0
INITIAL MBSHPARM(46,COWD),0
INITIAL MBSHPARM(46,OINT),0
INITIAL MBSHPARM(46,IINT),0
INITIAL MBSHPARM(46,SOFST),0
INITIAL MBSHPARM(46,MOFT),0
INITIAL MBSHPARM(46,MOIM),0

00012270
00012280
00012290
00012300
00012310
00012320
00012330
00012340
00012350
00012360
00012370
00012380
00012390
00012400
00012410
00012420
00012430
00012440
00012450
00012460
00012470
00012480
00012490
00012500
00012510
00012520
00012530
00012540
00012550
00012560
00012570
00012580

MODULE 47 PARAMETERS

INITIAL MBSHPARM(47,ACT),0
INITIAL MBSHPARM(47,PRI),0
INITIAL MBSHPARM(47,CONT),0
INITIAL MBSHPARM(47,MEM),0
INITIAL MBSHPARM(47,FMIOI),0
INITIAL MBSHPARM(47,FMFPT),0
INITIAL MBSHPARM(47,FMINW),0

00012510
00012520
00012530
00012540
00012550
00012560
00012570
00012580

INITIAL MR\$HPARM(47,INTRL),0
INITIAL MH\$HPARM(47,WDSIN),0
INITIAL MH\$HPARM(47,RTIME),0
INITIAL MH\$HPARM(47,DDUIT),0
INITIAL MH\$HPARM(47,WTIME),0
INITIAL MH\$HPARM(47,COWD),0
INITIAL MX\$FPARM(47,IINTR),0
INITIAL MX\$FPARM(47,OINTR),0
INITIAL MX\$FPARM(47,SOFSL),0
INITIAL MX\$FPARM(47,DOFST),0
INITIAL MX\$FPARM(47,MOTIM),0

00012590
00012600
00012610
00012620
00012630
00012640
00012650
00012660
00012670
00012680
00012690
00012700
00012710

MODULE 48 PARAMETERS

INITIAL MR\$HPARM(48,ACT),0
INITIAL MR\$HPARM(48,PPI),0
INITIAL MR\$HPARM(48,CONT),0
INITIAL MR\$HPARM(48,MEM),0
INITIAL MR\$HPARM(48,FMIOI),0
INITIAL MR\$HPARM(48,FMVPT),0
INITIAL MH\$HPARM(48,FMINW),0
INITIAL MR\$HPARM(48,INTPL),0
INITIAL MH\$HPARM(48,WDSI),0
INITIAL MH\$HPARM(48,RTIME),0
INITIAL MH\$HPARM(48,DDUIT),0
INITIAL MH\$HPARM(48,WTIME),0
INITIAL MH\$HPARM(48,COWD),0
INITIAL MH\$HPARM(48,COWD),0
INITIAL MX\$FPARM(48,IINTR),0
INITIAL MX\$FPARM(48,OINTR),0
INITIAL MX\$FPARM(48,SOFSL),0
INITIAL MX\$FPARM(48,DOFST),0
INITIAL MX\$FPARM(48,MOTIM),0

00012720
00012730
00012740
00012750
00012760
00012770
00012780
00012790
00012800
00012810
00012820
00012830
00012840
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00012880
00012890
00012900
00012910
00012920
00012930
00012940
00012950
00012960
00012970
00012980
00012990
00013000

MODULE 49 PARAMETERS

[illegible]

INITIAL MX\$FPARM(50,0,INTR)*0.0
INITIAL MX\$FPARM(50,50FST)*0
INITIAL MX\$FPARM(50,00FST)*0
INITIAL MX\$FPARM(50,40IIM)*0

00013430
00013440
00013450
00013460
00013470
00013480
00013490

MODULE 51 PARAMETERS

INITIAL MH\$HPARM(51,ACT)*0
INITIAL MH\$HPARM(51,PRI)*0
INITIAL MH\$HPARM(51,CONT)*0
INITIAL MH\$HPARM(51,SEM)*0
INITIAL MH\$HPARM(51,FMIOT)*0
INITIAL MH\$HPARM(51,FMINW)*0
INITIAL MH\$HPARM(51,INIRL)*0
INITIAL MH\$HPARM(51,WDSIN)*0
INITIAL MH\$HPARM(51,RTIME)*0
INITIAL MH\$HPARM(51,WDOUL)*0
INITIAL MH\$HPARM(51,RTIME)*0
INITIAL MH\$HPARM(51,COPWD)*0
INITIAL MH\$HPARM(51,COWD)*0
INITIAL MX\$FPARM(51,INTR)*0.00000000
INITIAL MX\$FPARM(51,50FST)*0
INITIAL MX\$FPARM(51,00FST)*0
INITIAL MX\$FPARM(51,MOTIM)*0

00013500
00013510
00013520
00013530
00013540
00013550
00013560
00013570
00013580
00013590
00013600
00013610
00013620
00013630
00013640
00013650
00013660
00013670
00013680
00013690
00013700
00013710
00013720
00013730

MODULE 52 PARAMETERS

INITIAL MR\$HPARM(52,ACT)*0
INITIAL MR\$HPARM(52,PRI)*0
INITIAL MR\$HPARM(52,CONT)*0
INITIAL MR\$HPARM(52,SEM)*0
INITIAL MR\$HPARM(52,FMIOT)*0
INITIAL MR\$HPARM(52,FMIPT)*0
INITIAL MR\$HPARM(52,FMINW)*0
INITIAL MR\$HPARM(52,INIRL)*0
INITIAL MR\$HPARM(52,WDSIN)*0
INITIAL MR\$HPARM(52,RTIME)*0

00013740
00013750
00013760
00013770
00013780
00013790
00013800
00013810
00013820
00013830
00013840

```

INITIAL MHSHPARM(52,WDQUIL).0 00013850
INITIAL MHSHPARM(52,WTIME).0 00013860
INITIAL MHSHPARM(52,CORWD).0 00013870
INITIAL MHSHPARM(52,COWD).0 00013880
INITIAL MHSHPARM(52,INTR).000 00013890
INITIAL MHSHPARM(52,INTR).000 00013900
INITIAL MHSHPARM(52,SOEST).0 00013910
INITIAL MHSHPARM(52,OOFS).0 00013920
INITIAL MHSHPARM(52,MOTIM).0 00013930
INITIAL MHSHPARM(52,MOTIM).0 00013940

```

MODULE 53 PARAMETERS

```

INITIAL MHSHPARM(53,ACT).0 00013950
INITIAL MHSHPARM(53,PRIL).0 00013960
INITIAL MHSHPARM(53,CONF).0 00013970
INITIAL MHSHPARM(53,CONF).0 00013980
INITIAL MHSHPARM(53,CONF).0 00013990
INITIAL MHSHPARM(53,CONF).0 00014000
INITIAL MHSHPARM(53,CONF).0 00014010
INITIAL MHSHPARM(53,CONF).0 00014020
INITIAL MHSHPARM(53,CONF).0 00014030
INITIAL MHSHPARM(53,CONF).0 00014040
INITIAL MHSHPARM(53,CONF).0 00014050
INITIAL MHSHPARM(53,CONF).0 00014060
INITIAL MHSHPARM(53,CONF).0 00014070
INITIAL MHSHPARM(53,CONF).0 00014080
INITIAL MHSHPARM(53,CONF).0 00014090
INITIAL MHSHPARM(53,CONF).0 00014100
INITIAL MHSHPARM(53,CONF).0 00014110
INITIAL MHSHPARM(53,CONF).0 00014120
INITIAL MHSHPARM(53,CONF).0 00014130
INITIAL MHSHPARM(53,CONF).0 00014140
INITIAL MHSHPARM(53,CONF).0 00014150
INITIAL MHSHPARM(53,CONF).0 00014160
INITIAL MHSHPARM(53,CONF).0 00014170
INITIAL MHSHPARM(53,CONF).0 00014180
INITIAL MHSHPARM(53,CONF).0 00014190
INITIAL MHSHPARM(53,CONF).0 00014200
INITIAL MHSHPARM(53,CONF).0 00014210
INITIAL MHSHPARM(53,CONF).0 00014220
INITIAL MHSHPARM(53,CONF).0 00014230
INITIAL MHSHPARM(53,CONF).0 00014240
INITIAL MHSHPARM(53,CONF).0 00014250
INITIAL MHSHPARM(53,CONF).0 00014260

```

MODULE 54 PARAMETERS

```

INITIAL MHSHPARM(54,ACT).0 00014270
INITIAL MHSHPARM(54,PRIL).0 00014280
INITIAL MHSHPARM(54,CONF).0 00014290
INITIAL MHSHPARM(54,CONF).0 00014300
INITIAL MHSHPARM(54,CONF).0 00014310
INITIAL MHSHPARM(54,CONF).0 00014320
INITIAL MHSHPARM(54,CONF).0 00014330
INITIAL MHSHPARM(54,CONF).0 00014340
INITIAL MHSHPARM(54,CONF).0 00014350
INITIAL MHSHPARM(54,CONF).0 00014360
INITIAL MHSHPARM(54,CONF).0 00014370
INITIAL MHSHPARM(54,CONF).0 00014380
INITIAL MHSHPARM(54,CONF).0 00014390
INITIAL MHSHPARM(54,CONF).0 00014400
INITIAL MHSHPARM(54,CONF).0 00014410
INITIAL MHSHPARM(54,CONF).0 00014420
INITIAL MHSHPARM(54,CONF).0 00014430
INITIAL MHSHPARM(54,CONF).0 00014440
INITIAL MHSHPARM(54,CONF).0 00014450
INITIAL MHSHPARM(54,CONF).0 00014460

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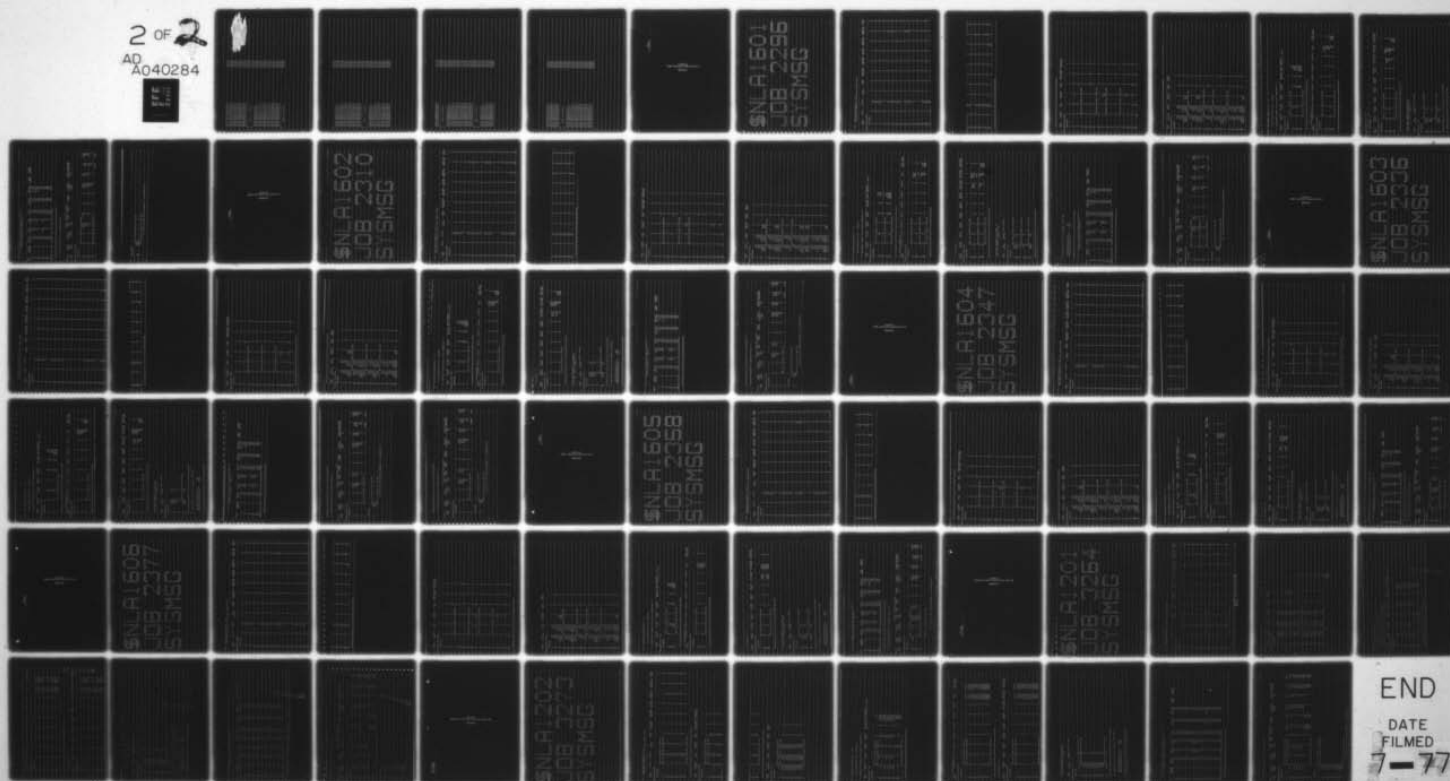
ROCKWELL INTERNATIONAL NEWPORT BEACH CALIF COLLINS G--ETC F/G 9/2
AN ARCHITECTURAL STUDY OF SIGNAL PROCESSING SYSTEMS AND SWITCHE--ETC(U)
MAR 77

DCA100-76-C-0070

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AD A040284



INITIAL MR\$HPARM(54,FM101).0
INITIAL MR\$HPARM(54,FM1PT).0
INITIAL MR\$HPARM(54,FM1NW).0
INITIAL MR\$HPARM(54,INTRL).0
INITIAL MR\$HPARM(54,WD\$IN).0
INITIAL MR\$HPARM(54,RTIME).0
INITIAL MR\$HPARM(54,WDOUT).0
INITIAL MR\$HPARM(54,RTIME).0
INITIAL MR\$HPARM(54,COPWD).0
INITIAL MR\$HPARM(54,COWD).0
INITIAL MX\$FPARM(54,INTR).0
INITIAL MX\$FPARM(54,INTP).0
INITIAL MX\$FPARM(54,SOFST).0
INITIAL MX\$FPARM(54,UOFST).0
INITIAL MX\$FPARM(54,MOTIM).0

* MODULE 55 PARAMETERS

INITIAL MR\$HPARM(55,ACT).0
INITIAL MR\$HPARM(55,PR1).0
INITIAL MR\$HPARM(55,CONT).0
INITIAL MR\$HPARM(55,REM).0
INITIAL MR\$HPARM(55,FM101).0
INITIAL MR\$HPARM(55,FM1PT).0
INITIAL MR\$HPARM(55,FM1NW).0
INITIAL MR\$HPARM(55,INTRL).0
INITIAL MR\$HPARM(55,WD\$IN).0
INITIAL MR\$HPARM(55,RTIME).0
INITIAL MR\$HPARM(55,WDOUT).0
INITIAL MR\$HPARM(55,RTIME).0
INITIAL MR\$HPARM(55,COPWD).0
INITIAL MR\$HPARM(55,COWD).0
INITIAL MX\$FPARM(55,INTR).0
INITIAL MX\$FPARM(55,INTP).0
INITIAL MX\$FPARM(55,SOFST).0
INITIAL MX\$FPARM(55,UOFST).0
INITIAL MX\$FPARM(55,MOTIM).0

* MODULE 56 PARAMETERS

00014270
00014280
00014290
00014300
00014310
00014320
00014330
00014340
00014350
00014360
00014370
00014380
00014390
00014400
00014410
00014420
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00014600
00014610
00014620
00014630
00014640
00014650
00014660
00014670
00014680

*		00014690
*		00014700
	INITIAL M\$BPARM(56,ACT).0	00014710
	INITIAL M\$BPARM(56,PRJ).0	00014720
	INITIAL M\$BPARM(56,CONT).0	00014730
	INITIAL M\$BPARM(56,MEM).0	00014740
	INITIAL M\$BPARM(56,FMIOI).0	00014750
	INITIAL M\$BPARM(56,FMPT).0	00014760
	INITIAL M\$BPARM(56,FMINW).0	00014770
	INITIAL M\$BPARM(56,INTRJ).0	00014780
	INITIAL M\$BPARM(56,WD\$IN).0	00014790
	INITIAL M\$BPARM(56,WTIME).0	00014800
	INITIAL M\$BPARM(56,WDOUT).0	00014810
	INITIAL M\$BPARM(56,WTIME).0	00014820
	INITIAL M\$BPARM(56,CO\$WD).0	00014830
	INITIAL M\$BPARM(56,CO\$WD).0	00014840
	INITIAL M\$BPARM(56,INTR).0	00014850
	INITIAL M\$BPARM(56,INTR).0	00014860
	INITIAL M\$BPARM(56,SOEST).0	00014870
	INITIAL M\$BPARM(56,OOFT).0	00014880
	INITIAL M\$BPARM(56,MO\$IM).0	00014890
*		00014900
*		00014910
*	MODULE 57 PARAMETERS	00014920
*		00014930
*		00014940
	INITIAL M\$BPARM(57,ACT).0	00014950
	INITIAL M\$BPARM(57,PRJ).0	00014960
	INITIAL M\$BPARM(57,CONT).0	00014970
	INITIAL M\$BPARM(57,MEM).0	00014980
	INITIAL M\$BPARM(57,FMIOI).0	00014990
	INITIAL M\$BPARM(57,FMPT).0	00015000
	INITIAL M\$BPARM(57,FMINW).0	00015010
	INITIAL M\$BPARM(57,INTRJ).0	00015020
	INITIAL M\$BPARM(57,WD\$IN).0	00015030
	INITIAL M\$BPARM(57,WTIME).0	00015040
	INITIAL M\$BPARM(57,WDOUT).0	00015050
	INITIAL M\$BPARM(57,WTIME).0	00015060
	INITIAL M\$BPARM(57,CO\$WD).0	00015070
	INITIAL M\$BPARM(57,CO\$WD).0	00015080
	INITIAL M\$BPARM(57,INTR).0	00015090
	INITIAL M\$BPARM(57,INTR).0	00015100

INITIAL MX\$FPARM(57,SOFST),0
INITIAL MX\$FPARM(57,00FST),0
INITIAL MX\$FPARM(57,MOTIM),0

00015110
00015120
00015130
00015140
00015150
00015160
00015170

MODULE 58 PARAMETERS

INITIAL MR\$BPARM(58,ACT),0
INITIAL MR\$BPARM(58,PRI),0
INITIAL MR\$BPARM(58,CONT),0
INITIAL MR\$BPARM(58,MEM),0
INITIAL MR\$BPARM(58,FMIOT),0
INITIAL MR\$BPARM(58,FMINW),0
INITIAL MR\$BPARM(58,INIRL),0
INITIAL MR\$BPARM(58,WD SIN),0
INITIAL MR\$BPARM(58,RTIME),0
INITIAL MR\$BPARM(58,WDOUT),0
INITIAL MR\$BPARM(58,WTIME),0
INITIAL MR\$BPARM(58,CORWD),0
INITIAL MR\$BPARM(58,CONWD),0
INITIAL MX\$FPARM(58,IINTR),0
INITIAL MX\$FPARM(58,OINTR),0
INITIAL MX\$FPARM(58,SOFST),0
INITIAL MX\$FPARM(58,00FST),0
INITIAL MX\$FPARM(58,MOTIM),0

00015180
00015190
00015200
00015210
00015220
00015230
00015240
00015250
00015260
00015270
00015280
00015290
00015300
00015310
00015320
00015330
00015340
00015350
00015360
00015370
00015380
00015390
00015400
00015410

MODULE 59 PARAMETERS

INITIAL MR\$BPARM(59,ACT),0
INITIAL MR\$BPARM(59,PRI),0
INITIAL MR\$BPARM(59,CONT),0
INITIAL MR\$BPARM(59,MEM),0
INITIAL MR\$BPARM(59,FMIOT),0
INITIAL MR\$BPARM(59,FMMPT),0
INITIAL MR\$BPARM(59,FMINW),0
INITIAL MR\$BPARM(59,INIRL),0
INITIAL MR\$BPARM(59,WD SIN),0
INITIAL MR\$BPARM(59,WTIME),0

00015420
00015430
00015440
00015450
00015460
00015470
00015480
00015490
00015500
00015510
00015520

INITIAL MH\$HPARM(59,WDQUIL).0	00015530
INITIAL MH\$HPARM(59,WTIME).0	00015540
INITIAL MH\$HPARM(59,CORWD).0	00015550
INITIAL MH\$HPARM(59,CORWD).0	00015560
INITIAL MX\$FPARM(59,IINTR).0	00015570
INITIAL MX\$FPARM(59,OINTR).0	00015580
INITIAL MX\$FPARM(59,SOFEST).0	00015590
INITIAL MX\$FPARM(59,UOFST).0	00015600
INITIAL MX\$FPARM(59,MOTIM).0	00015610
INITIAL MX\$FPARM(59,MOTIM).0	00015620
INITIAL MX\$FPARM(59,MOTIM).0	00015630
INITIAL MX\$FPARM(59,MOTIM).0	00015640
INITIAL MX\$FPARM(59,MOTIM).0	00015650
INITIAL MX\$FPARM(59,MOTIM).0	00015660
INITIAL MX\$FPARM(59,MOTIM).0	00015670
INITIAL MX\$FPARM(59,MOTIM).0	00015680
INITIAL MX\$FPARM(59,MOTIM).0	00015690
INITIAL MX\$FPARM(59,MOTIM).0	00015700
INITIAL MX\$FPARM(59,MOTIM).0	00015710
INITIAL MX\$FPARM(59,MOTIM).0	00015720
INITIAL MX\$FPARM(59,MOTIM).0	00015730
INITIAL MX\$FPARM(59,MOTIM).0	00015740
INITIAL MX\$FPARM(59,MOTIM).0	00015750
INITIAL MX\$FPARM(59,MOTIM).0	00015760
INITIAL MX\$FPARM(59,MOTIM).0	00015770
INITIAL MX\$FPARM(59,MOTIM).0	00015780
INITIAL MX\$FPARM(59,MOTIM).0	00015790
INITIAL MX\$FPARM(59,MOTIM).0	00015800
INITIAL MX\$FPARM(59,MOTIM).0	00015810
INITIAL MX\$FPARM(59,MOTIM).0	00015820
INITIAL MX\$FPARM(59,MOTIM).0	00015830
INITIAL MX\$FPARM(59,MOTIM).0	00015840
INITIAL MX\$FPARM(59,MOTIM).0	00015850
INITIAL MX\$FPARM(59,MOTIM).0	00015860

MODULE 60 PARAMETERS

INITIAL MR\$HPARM(60,ACT).0	00015660
INITIAL MR\$HPARM(60,ACT).0	00015670
INITIAL MR\$HPARM(60,ACT).0	00015680
INITIAL MR\$HPARM(60,ACT).0	00015690
INITIAL MR\$HPARM(60,ACT).0	00015700
INITIAL MR\$HPARM(60,ACT).0	00015710
INITIAL MR\$HPARM(60,ACT).0	00015720
INITIAL MR\$HPARM(60,ACT).0	00015730
INITIAL MR\$HPARM(60,ACT).0	00015740
INITIAL MR\$HPARM(60,ACT).0	00015750
INITIAL MR\$HPARM(60,ACT).0	00015760
INITIAL MR\$HPARM(60,ACT).0	00015770
INITIAL MR\$HPARM(60,ACT).0	00015780
INITIAL MR\$HPARM(60,ACT).0	00015790
INITIAL MR\$HPARM(60,ACT).0	00015800
INITIAL MR\$HPARM(60,ACT).0	00015810
INITIAL MR\$HPARM(60,ACT).0	00015820
INITIAL MR\$HPARM(60,ACT).0	00015830
INITIAL MR\$HPARM(60,ACT).0	00015840
INITIAL MR\$HPARM(60,ACT).0	00015850
INITIAL MR\$HPARM(60,ACT).0	00015860

Appendix L-5a
RUN 1

LISTING OF
SIGNAL PROCESSING SIMULATION RUN #1
(\$NLA1601)

SS SS	NN	NN	LL	AAAAAAA	11	666666666666	0000000	11
SSSSSSSSSS	NNN	NN	LL	AAAAAAA	111	666666666666	000000000	111
SSSSSSSSSS	NNNN	NN	LL	AA	1111	66	00	1111
SS SS SS	NN NN	NN	LL	AA	11	66	00	11
SS SS SS	NN NN	NN	LL	AA	11	66	00	11
SSSSSSSSSS	NN NN	NN	LL	AA	11	666666666666	00	11
SSSSSSSSSS	NN NN	NN	LL	AAAAAAA	11	666666666666	00	11
SS SS SS	NN NN	NN	LL	AAAAAAA	11	66	00	11
SS SS SS	NN NN	NN	LL	AA	11	66	00	11
SSSSSSSSSS	NNNN	NNN	LL	AA	11	66	00	11
SSSSSSSSSS	NN	NNN	LL	AA	11111	666666666666	000000000	11111
SS SS	NN	NN	LLLLLLLLLLLL	AA	11111	666666666666	0000000	11111

JJ	00000000000	BBB	BBB	22222222222	22	22222222222	99999999999	66666666666
JJ	0000000000000	BBB	BBB	22222222222	22	22222222222	99999999999	66666666666
JJ	00	BB	BB	22	22	22	99	66
JJ	00	BB	BB	22	22	22	99	66
JJ	00	BB	BB	22	22	22	99	66
JJ	00	BBB	BBB	22	22	22	99999999999	66666666666
JJ	00	BBB	BBB	22	22	22	99999999999	66666666666
JJ	00	BB	BB	22	22	22	99	66
JJ	00	BB	BB	22	22	22	99	66
JJ	00	BB	BB	22	22	22	99	66
JJ	0000000000000	BBB	BBB	22222222222	22	22222222222	99999999999	66666666666
JJ	0000000000000	BBB	BBB	22222222222	22	22222222222	99999999999	66666666666

SSSSSSSSSS	YY	YY	SSSSSSSSSS	MM	SSSSSSSSSS	GGGGGGGGGG
SSSSSSSSSS	YY	YY	SSSSSSSSSS	MM	SSSSSSSSSS	GGGGGGGGGG
SS	YY	YY	SS	MMM	SS	GG
SS	YY	YY	SS	MM	SS	GG
SS	YYY	SS	SS	MM	SS	GG
SSSSSSSSSS	YY	SSSSSSSSSS	MM	MM	SSSSSSSSSS	GG
SSSSSSSSSS	YY	SSSSSSSSSS	MM	M	SSSSSSSSSS	GG
SS	YY	SS	MM	MM	SS	GGGG
SS	YY	SS	MM	MM	SS	GGGG
SS	YY	SS	MM	MM	SS	GG
SS	YY	SS	MM	MM	SS	GG
SSSSSSSSSS	YY	SSSSSSSSSS	MM	SSSSSSSSSS	GGGGGGGGGG	
SSSSSSSSSS	YY	SSSSSSSSSS	MM	SSSSSSSSSS	GGGGGGGGGG	

*** CONFIGURATION PARAMETERS ***

NOTE: REFER TO MODULE SETUP FOR MODULE IDENTIFICATION

MODULE NR	ACTIVE	PRIORITY	TYPE CONTROL	MEMORY TYPE	START/OUTPUT MODIFIER	EXECUTION MODIFIER	I/O DATA MODIFIER	INTERLOCK MODULE NR.	OUTPUT TO MODULE NR.	MAX Q LENTG
* BYTE MATRIX BPARM										
ROW/COLUMN	1	2	3	4	5	6	7	8	9	10
1	0	126	1	0	0	0	0	0	2	2
2	0	125	1	0	0	0	0	0	3	4
3	0	124	1	0	0	0	0	0	5	2
4	0	123	1	0	0	0	0	0	5	2
5	0	122	1	0	0	0	0	0	6	5
6	0	121	1	0	0	0	0	0	7	2
7	0	120	2	0	0	0	0	6	2	2
8	0	119	2	0	0	0	0	7	0	2
9	0	0	0	0	0	0	0	0	0	2
10	0	0	0	0	0	0	0	0	0	2
11	0	0	0	0	0	0	0	0	0	2
12	1	126	1	0	0	0	0	0	13	2
13	1	125	1	0	0	0	0	0	14	4
14	1	124	1	0	0	0	0	0	15	2
15	1	122	1	0	0	0	0	0	17	5
16	1	123	1	0	0	0	0	0	15	2
17	1	121	1	0	0	0	0	0	18	2
18	1	120	2	0	0	0	0	17	13	2
19	1	119	2	0	0	0	0	18	0	2
20	0	124	1	0	0	0	0	0	0	2
21	0	122	1	0	0	0	0	0	0	2
22	0	0	0	0	0	0	0	0	0	2
23	0	0	0	0	0	0	0	0	0	2
24	0	126	1	0	0	0	0	0	25	2
25	0	125	1	0	0	0	0	0	24	4
26	0	124	1	0	0	0	0	0	28	2
27	0	123	1	0	0	0	0	0	28	2
28	0	122	1	0	0	0	0	0	29	5
29	0	121	1	0	0	0	0	0	0	2
30	0	0	0	0	0	0	0	0	0	2
31	0	0	0	0	0	0	0	0	0	2
32	0	0	0	0	0	0	0	0	0	2
33	0	0	0	0	0	0	0	0	0	2
34	0	0	0	0	0	0	0	0	0	2
35	0	0	0	0	0	0	0	0	0	2
36	0	0	0	0	0	0	0	0	0	2
37	0	126	1	0	0	0	0	0	0	2
38	0	125	1	0	0	0	0	0	0	2
39	0	124	1	0	0	0	0	0	0	2
40	0	123	1	0	0	0	0	0	0	2
41	0	122	1	0	0	0	0	0	0	2
42	0	121	1	0	0	0	0	0	0	2

43	0	120	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
44	0	124	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
45	0	121	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
46	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
47	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
48	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
50	0	125	1	0	0	0	0	0	0	0	0	0	0	0	0	0	50	0	2
51	0	124	1	0	0	0	0	0	0	0	0	0	0	0	0	0	57	0	2
52	0	123	1	0	0	0	0	0	0	0	0	0	0	0	0	0	57	0	2
53	0	122	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
54	0	121	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
55	0	123	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
56	0	122	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
57	0	126	1	0	0	0	0	0	0	0	0	0	0	0	0	0	49	0	2
58	0	123	1	0	0	0	0	0	0	0	0	0	0	0	0	0	53	0	5
59	0	121	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	2
60	0	120	2	1	1	1	1	1	1	1	1	1	1	1	1	1	58	0	2
	0	119	2	1	1	1	1	1	1	1	1	1	1	1	1	1	59	0	2

MODULE NR	NR WORDS INPUT	READ TIME	NR WORDS OUTPUT	WRITE TIME	COMMON MEMORY NR. READS	STORAGE USE NR. WRITES
--------------	-------------------	--------------	--------------------	---------------	----------------------------	---------------------------

* HALFWORD MATRIX HPARM

ROW/COLUMN	1	2	3	4	5	6
1	0	5	2	5	0	1
2	0	5	8	5	0	1
3	0	5	2	5	0	1
4	0	5	1	5	0	1
5	0	5	16	5	0	1
6	0	20	0	0	0	1
7	0	0	1	20	0	1
8	0	0	2	20	0	1
ROWS 9-11, COLUMNS 1-6 ARE ZERO						
12	0	5	2	5	0	1
13	0	5	8	5	0	1
14	0	5	2	5	0	1
15	0	5	16	5	0	1
16	0	5	1	5	0	1
17	0	20	0	0	0	1
18	0	0	1	20	0	1
19	0	0	2	20	0	1
20	0	0	17	5	0	0
21	0	0	18	5	0	0
ROWS 22-23, COLUMNS 1-6 ARE ZERO						
24	0	5	2	5	0	1
25	1	5	8	5	0	1
26	0	5	2	5	0	1
27	0	5	65	5	0	1
28	0	20	1040	20	0	1
29	0	5	520	5	0	1
ROWS 30-36, COLUMNS 1-6 ARE ZERO						
37	0	6	12	5	0	0
38	0	0	3	5	0	0
39	0	0	33	5	0	0
40	0	0	1	5	0	0
41	0	0	34	5	0	0
42	0	0	1	5	0	0
43	0	0	1	5	0	0
44	0	0	17	5	0	0
45	0	0	18	5	0	0
ROWS 46-48, COLUMNS 1-6 ARE ZERO						
49	0	0	12	5	0	0
50	0	0	2	5	0	0
51	0	0	1041	5	0	0
52	0	0	65	5	0	0
53	0	0	521	5	0	0
54	0	0	17	5	0	0
55	0	0	1	5	0	0
56	0	0	3	5	0	0
57	0	20	1041	20	0	0
58	0	0	9	15	0	0
59	8	15	2	5	0	0
60	121	15	3	5	0	0

MODULE NR	START CYCLE TIME	OUTPUT PERIOD	EXECUTION PERIOD	START OFFSET	OUTPUT OFFSET
FULLWORD MATRIX FPARM					
ROW/COLUMN	1	2	3	4	5
1	3125	3125	0	0	0
2	3125	12500	0	0	0
3	12500	12500	0	0	0
4	12500	12500	0	0	0
5	12500	10000000	0	0	0
6	10000000	10000000	12000	0	0
7	10000000	10000000	2000	0	0
8	10000000	150000000	45000	0	0
ROWS 9-11, COLUMNS 1-5 ARE ZERO					
12	3125	3125	0	0	0
13	3125	200000	0	0	0
14	200000	200000	0	0	0
15	200000	10000000	0	0	0
16	12500	200000	0	0	0
17	10000000	10000000	12000	0	0
18	10000000	10000000	2000	0	0
19	10000000	150000000	45000	0	0
20	200000	40000000	0	0	0
21	40000000	40000000	0	0	0
ROWS 22-23, COLUMNS 1-5 ARE ZERO					
24	3125	3125	0	0	0
25	3125	12500	0	0	0
26	12500	12500	0	0	0
27	12500	12500	0	0	0
28	12500	10000000	0	0	0
29	10000000	10000000	0	0	0
ROWS 30-36, COLUMNS 1-5 ARE ZERO					
37	25000	25000	0	0	0
38	25000	25000	0	0	0
39	25000	40000000	0	0	0
40	12500	25000	0	0	0
41	40000000	40000000	0	0	0
42	600000000	600000000	0	0	0
43	600000000	600000000	0	0	0
44	25000	10000000	0	0	0
45	10000000	10000000	0	0	0
ROWS 46-48, COLUMNS 1-5 ARE ZERO					
49	12500	12500	0	0	0
50	12500	12500	0	0	0
51	12500	10000000	0	0	0
52	12500	12500	0	0	0
53	10000000	10000000	0	0	0
54	12500	10000000	0	0	0
55	12500	12500	0	0	0
56	3125	3125	0	0	0
57	12500	10000000	0	0	0
58	10000000	10000000	0	0	0
59	10000000	150000000	2000	0	0
60	150000000	150000000	45000	0	0

**** PERFORMANCE CHARACTERISTICS ****

TOTAL ELAPSED TIME OF RUN = 14000000.

** INPUT/OUTPUT AVERAGE TIMES BY BLOCK TRANSMISSION **

MODULE NR	AVG TIME INPUT	AVG TIME OUTPUT	INTERNAL READ	INTERNAL WRITE	AVG TIME NEXTMSTR (INTR - (AVG I/O'S + MOTIM))	TIME DIFFERENCE
FULLWORD MATRIX IAVG						
ROW/COLUMN	1	2	3	4	5	6
ROWS 1-11, COLUMNS 1-6 ARE ZERO						
12	0	55	0	35	0	3035
13	0	185	0	35	0	2905
14	0	75	0	54	18	199871
15	0	480	0	25	0	199495
16	0	40	0	26	1	12434
17	0	0	0	130	87	9987870
18	0	25	0	100	25	9997875
19	0	0	0	25	0	9954975
ROWS 20-61, COLUMNS 1-6 ARE ZERO						

** INTERLOCK MODULES **

START MODULE	INTERLOCK	INTERLOCK	INTERLOCK	INTERLOCK	INTERLOCK	INTERLOCK	TOTAL I/O	TOTAL (ALL) MODULE TIMES
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* FULLWORD MATRIX LOCKS

ROW/COLUMN	1	2	3	4	5	6	7	8	9
ROWS 1-11, COLUMNS 1-9 ARE ZERO									
12	0	0	0	0	0	0	0	403145	0
13	0	0	0	0	0	0	0	169580	0
14	0	0	0	0	0	0	0	9020	0
15	0	0	0	0	0	0	0	2255	0
16	0	0	0	0	0	0	0	32565	0
17	18	19	0	0	0	0	0	410	71000
18	19	0	0	0	0	0	0	150	47000
19	0	0	0	0	0	0	0	25	45000
ROWS 20-60, COLUMNS 1-9 ARE ZERO									

CALL MODULES **

CALLING MODULE	CALLING MODULE	CALLING MODULE	CALLING MODULE	CALLING MODULE	CALLING MODULE	CALLING MOD I/O TOTALS	CALLER MOD I/O TOTALS	CALLER MOD TIME TOTALS
1	2	3	4	5	6	7	8	9
FULLWORD MATRIX CALLS								
ROWS 1-11, COLUMNS 1-9 ARE ZERO								
12	0	0	0	0	0	0	403145	0
13	18	12	0	0	0	246370	169580	0
14	13	0	0	0	0	12765	9020	0
15	16	14	0	0	0	7935	2255	0
16	0	0	0	0	0	0	32565	0
17	15	0	0	0	0	480	260	24000
18	17	0	0	0	0	0	125	2000
19	0	0	0	0	0	0	25	45000
ROWS 20-60, COLUMNS 1-9 ARE ZERO								

** BUS TIME, ACCUMULATION BY MODULE **
NOTE: LAST 2 MODULES = CONTROL MODULE
= TOTALS

MODULE TIME PERCENT (XXXX = XX.XX%)
NR UTILIZED OF TOTAL

FULLWORD MATRIX TIM

ROW/COLUMN	1	2
ROWS 1-11, COLUMNS 1-2 ARE ZERO		
12	201580	143
13	117520	83
14	3130	2
15	2150	1
16	28690	20
17	50	0
18	50	0
19	25	0
ROWS 20-60, COLUMNS 1-2 ARE ZERO		
61	149100	106
62	502295	358

** COMMON MEMORY USE STATISTICS (PERCENT OF BUS TIME)

I/O DATA TRANSFER TOTALS .00%
INTERNAL DATA TRANSFER TOTALS 1.82%
TOTAL COMMON MEMORY USAGE 1.82%

** WAIT STATISTICS OF MODULE STARTS AND OUTPUT STARTS **
 OUTPUT QUEUE EQUAL 60 + MODULE NR.

QUEUE	MAXIMUM CONTENTS	AVERAGE CONTENTS	TOTAL ENTRIES	ZERO ENTRIES	PERCENT ZEROS	AVERAGE TIME/TRANS	SAVERAGE TIME/TRANS	TABLE NUMBER	CURRENT CONTENTS
12	1	.000	4480	4480	100.0	.000	.000		
13	1	.000	4480	4411	98.4	2.541	165.000		
14	1	.000	70	70	100.0	.000	.000		
15	1	.000	70	69	98.5	6.714	470.000		
16	1	.000	1120	1051	93.8	1.232	20.000		
17	1	.000	2	2	100.0	.000	.000		
18	1	.000	1	1	100.0	.000	.000		
19	1	.000	1	1	100.0	.000	.000		
72	1	.000	4479	4479	100.0	.000	.000		
73	1	.000	69	69	100.0	.000	.000		
74	1	.000	69	69	100.0	.000	.000		
75	1	.000	1	1	100.0	.000	.000		
76	1	.000	69	69	100.0	.000	.000		
77	1	.000	1	1	100.0	.000	.000		
78	1	.000	1	1	100.0	.000	.000		

SAVERAGE TIME/TRANS = AVERAGE TIME/TRANS EXCLUDING ZERO ENTRIES

** UTILIZATION STATISTICS OF NEXTMASTER AND BUS **

FACILITY	NUMBER ENTRIES	AVERAGE TIME/TRANS	-AVERAGE UTILIZATION DURING- TOTAL AVAIL. UNAVAIL. TIME	CURRENT STATUS	PERCENT AVAILABILITY	TRANSACTION NUMBER SEIZING PREEMPTING
NXTMS	34870	10.862	.027		100.0	24
BUS	34869	14.405	.035		100.0	8

FULLWORD MATRIX ISTOR

ROW/COLUMN	1	2	3	4	5	6	7	8	9	10
12	0	0	246345	4479	0	0	156800	4480	0	13438
13	0	0	12765	69	0	0	156815	4480	690	5032
14	0	0	5175	69	0	0	3845	70	3795	208
15	0	0	480	1	0	0	1775	70	0	86
16	0	0	2760	69	0	0	29805	1120	1450	1189
17	0	0	0	0	0	0	260	2	175	2
18	0	0	25	1	0	0	100	1	50	2
19	0	0	0	0	0	0	25	1	0	1
61	0	0	0	0	0	0	0	0	347770	14912

ROWS 1-11, COLUMNS 1-10 ARE ZERO

ROWS 20-60, COLUMNS 1-10 ARE ZERO

ROW/COLUMN 11

ROWS 1-16, COLUMNS 11-11 ARE ZERO

17 24000

18 2000

19 45000

ROWS 20-61, COLUMNS 11-11 ARE ZERO

***** TOTAL RUN TIME (INCLUDING ASSEMBLY) = 1.24 MINUTES *****

LISTING OF
SIGNAL PROCESSING SIMULATION RUN #2
(\$NLA1602)

Appendix L-5b
RUN2

*** CONFIGURATION PARAMETERS ***
 NOTE: REFER TO MODULE SETUP FOR MODULE IDENTIFICATION

MODULE NR	ACTIVE	PRIORITY	TYPE CONTROL	MEMORY TYPE	START/OUTPUT MODIFIER	EXECUTION MODIFIER	I/O DATA MODIFIER	INTERLOCK MODULE NR.	OUTPUT TO MODULE NR.	MAX Q LENTG
* BYTE MATRIX SPARM										
ROW/COLUMN	1	2	3	4	5	6	7	8	9	10
1	0	126	1	0	0	0	0	0	2	2
2	0	125	1	0	0	0	0	0	3	4
3	0	124	1	0	0	0	0	0	5	2
4	0	123	1	0	0	0	0	0	5	2
5	0	122	1	0	0	0	0	0	6	5
6	0	121	1	0	0	0	0	0	7	2
7	0	120	2	0	0	0	0	6	2	2
8	0	119	2	0	0	0	0	7	0	2
9	0	0	0	0	0	0	0	0	0	2
10	0	0	0	0	0	0	0	0	0	2
11	0	0	0	0	0	0	0	0	0	2
12	0	126	1	0	0	0	0	0	13	2
13	0	125	1	0	0	0	0	0	14	4
14	0	124	1	0	0	0	0	0	15	2
15	0	123	1	0	0	0	0	0	17	5
16	0	122	1	0	0	0	0	0	15	2
17	0	121	1	0	0	0	0	0	18	2
18	0	120	2	0	0	0	0	17	13	2
19	0	119	2	0	0	0	0	18	0	2
20	0	124	1	0	0	0	0	0	0	2
21	0	122	1	0	0	0	0	0	0	2
22	0	0	0	0	0	0	0	0	0	2
23	0	0	0	0	0	0	0	0	0	2
24	0	126	1	0	0	0	0	0	25	2
25	0	125	1	0	0	0	0	0	24	4
26	0	124	1	0	0	0	0	0	28	2
27	0	123	1	0	0	0	0	0	28	2
28	0	122	1	0	0	0	0	0	29	5
29	0	121	1	0	0	0	0	0	0	2
30	0	0	0	0	0	0	0	0	0	2
31	0	0	0	0	0	0	0	0	0	2
32	0	0	0	0	0	0	0	0	0	2
33	0	0	0	0	0	0	0	0	0	2
34	0	0	0	0	0	0	0	0	0	2
35	0	0	0	0	0	0	0	0	0	2
36	1	126	1	0	0	0	0	0	37	2
37	1	125	1	0	0	0	0	0	38	4
38	1	124	1	0	0	0	0	0	44	2
39	0	123	1	0	0	0	0	0	41	5
40	1	122	1	0	0	0	0	0	44	2
41	0	121	1	0	0	0	0	0	42	2
42	0	120	2	0	0	0	0	41	37	2
43	0	119	2	0	0	0	0	42	0	2
44	1	122	1	0	0	0	0	0	45	5
45	1	121	1	0	0	0	0	0	46	2
46	1	120	2	0	0	0	0	45	37	2

46	1	120	2	0	0	0	0	0	0	45	37	2
47	1	119	2	0	0	0	0	0	0	46	0	2
48	0	0	0	0	0	0	0	0	0	0	0	2
49	0	125	1	0	0	0	0	0	0	0	50	2
50	0	124	1	0	0	0	0	0	0	0	57	2
51	0	123	1	0	0	0	0	0	0	0	0	2
52	0	122	1	0	0	0	0	0	0	0	57	2
53	0	121	1	0	0	0	0	0	0	0	0	2
54	0	123	1	0	0	0	0	0	0	0	0	2
55	0	122	1	0	0	0	0	0	0	0	0	2
56	0	126	1	0	0	0	0	0	0	0	49	2
57	0	123	1	0	0	0	0	0	0	0	53	5
58	0	121	1	1	0	0	0	0	0	0	0	2
59	0	120	2	1	0	0	0	0	0	58	0	2
60	0	119	2	1	0	0	0	0	0	59	0	2

MODULE NR WORDS INPUT READ TIME NR WORDS OUTPUT WRITE TIME COMMON MEMORY STORAGE USE NR. READS NR. WRITES

HALFWORD MATRIX HPARM

ROW/COLUMN	1	2	3	4	5	6
1	0	5	2	5	0	1
2	0	5	2	5	0	1
3	0	5	2	5	0	1
4	0	5	1	5	0	1
5	0	5	16	5	0	1
6	0	20	0	5	0	1
7	0	0	1	20	0	1
8	0	0	2	20	0	1
ROWS 9-11, COLUMNS 1-6 ARE ZERO						
12	0	5	2	5	0	1
13	0	5	8	5	0	1
14	0	5	2	5	0	1
15	0	5	16	5	0	1
16	0	5	1	5	0	1
17	0	20	0	5	0	1
18	0	0	1	20	0	1
19	0	0	2	20	0	1
20	0	0	17	5	0	0
21	0	0	18	5	0	0
ROWS 22-23, COLUMNS 1-6 ARE ZERO						
24	0	5	2	5	0	1
25	1	5	8	5	0	1
26	0	5	2	5	0	1
27	0	5	65	5	0	1
28	0	20	1040	20	0	1
29	0	5	520	5	0	1
ROWS 30-35, COLUMNS 1-6 ARE ZERO						
36	0	5	2	5	0	1
37	0	5	8	5	0	1
38	0	5	2	5	0	1
39	0	5	32	5	0	1
40	0	5	1	5	0	1
41	0	20	0	5	0	1
42	0	0	1	20	0	1
43	0	0	2	20	0	0
44	0	5	16	5	0	1
45	0	20	0	5	0	1
46	0	0	1	20	0	1
47	0	0	2	20	0	1
48	0	0	0	5	0	0
49	0	0	12	5	0	0
50	0	0	2	5	0	0
51	0	0	1041	5	0	0
52	0	0	65	5	0	0
53	0	0	521	5	0	0
54	0	0	17	5	0	0
55	0	0	1	5	0	0
56	0	0	3	5	0	0
57	0	20	1041	20	0	0
58	0	0	9	15	0	0
59	8	15	2	5	0	0
60	121	15	3	5	0	0

MODULE NR	START CYCLE TIME	OUTPUT PERIOD	EXECUTION PERIOD	START OFFSET	OUTPUT OFFSET
FULLWORD MATRIX FARM					
ROW/COLUMN	1	2	3	4	5
1	3125	3125	0	0	0
2	3125	12500	0	0	0
3	12500	12500	0	0	0
4	12500	12500	0	0	0
5	12500	10000000	0	0	0
6	10000000	10000000	12000	0	0
7	10000000	10000000	2000	0	0
8	10000000	150000000	45000	0	0
ROWS 9-11, COLUMNS 1-5 ARE ZERO					
12	3125	3125	0	0	0
13	3125	200000	0	0	0
14	200000	200000	0	0	0
15	200000	10000000	0	0	0
16	12500	200000	0	0	0
17	10000000	10000000	12000	0	0
18	10000000	10000000	2000	0	0
19	10000000	150000000	45000	0	0
20	200000	40000000	0	0	0
21	40000000	40000000	0	0	0
ROWS 22-23, COLUMNS 1-5 ARE ZERO					
24	3125	3125	0	0	0
25	3125	12500	0	0	0
26	12500	12500	0	0	0
27	12500	12500	0	0	0
28	12500	10000000	0	0	0
29	10000000	10000000	0	0	0
ROWS 30-35, COLUMNS 1-5 ARE ZERO					
36	3125	3125	0	0	0
37	3125	25000	0	0	0
38	25000	25000	0	0	0
39	25000	40000000	0	0	0
40	12500	25000	0	0	0
41	40000000	40000000	12000	0	0
42	600000000	600000000	2000	0	0
43	600000000	600000000	45000	0	0
44	25000	10000000	0	0	0
45	10000000	10000000	12000	0	0
46	10000000	10000000	2000	0	0
47	10000000	10000000	45000	0	0
48	0	0	0	0	0
49	12500	12500	0	0	0
50	12500	12500	0	0	0
51	12500	10000000	0	0	0
52	12500	12500	0	0	0
53	10000000	10000000	0	0	0
54	12500	10000000	0	0	0
55	12500	12500	0	0	0
56	3125	3125	0	0	0
57	12500	10000000	0	0	0
58	10000000	10000000	0	0	0
59	10000000	150000000	2000	0	0
60	150000000	150000000	45000	0	0

**** PERFORMANCE CHARACTERISTICS ****

TOTAL ELAPSED TIME OF RUN = 14000000.

** INPUT/OUTPUT AVERAGE TIMES BY BLOCK TRANSMISSION **

MODULE NR AVG TIME INPUT AVG TIME OUTPUT INTERNAL READ INTERNAL WRITE AVG TIME NEXTMSTR (INTR - (AVG I/O'S + MOTIM))

• FULLWORD MATRIX IAVG

ROW/COLUMN 1 2 3 4 5 6

ROWS 1-35, COLUMNS 1-6 ARE ZERO

36 0 55 0 35 0 3035

37 0 185 0 35 0 2905

38 0 75 0 54 18 24871

39 0 0 0 0 0 0

40 0 40 0 37 6 12423

ROWS 41-43, COLUMNS 1-6 ARE ZERO

44 0 480 0 25 0 24495

45 0 0 0 142 92 9987858

46 0 25 0 100 25 9997875

47 0 50 0 25 0 9954925

ROWS 48-61, COLUMNS 1-6 ARE ZERO

** INTERLOCK MODULES **

START MODULE INTERLOCK INTERLOCK INTERLOCK INTERLOCK INTERLOCK INTERLOCK TOTAL I/O TOTAL (ALL) MODULE TIMES

• FULLWORD MATRIX LOCKS

ROW/COLUMN 1 2 3 4 5 6 7 8 9

ROWS 1-35, COLUMNS 1-9 ARE ZERO

36 0 0 0 0 0 0 0 403145 0

37 0 0 0 0 0 0 0 260230 0

38 0 0 0 0 0 0 0 72705 0

39 0 0 0 0 0 0 0 0 0

40 0 0 0 0 0 0 0 64360 0

ROWS 41-43, COLUMNS 1-9 ARE ZERO

44 0 0 0 0 0 0 0 14620 0

45 46 47 0 0 0 0 0 485 71000

46 47 0 0 0 0 0 0 200 47000

47 0 0 0 0 0 0 0 75 45000

ROWS 48-60, COLUMNS 1-9 ARE ZERO

[illegible][illegible]

ROW/COLUMN	1	2
	ROWS 1-35, COLUMNS 1-2 ARE ZERO	
36	201580	143
37	156720	111
38	25180	17
39	0	0
40	33590	23
	ROWS 41-43, COLUMNS 1-2 ARE ZERO	
44	14400	10
45	50	0
46	50	0
47	75	0
	ROWS 48-60, COLUMNS 1-2 ARE ZERO	
61	173600	124
62	605245	432

I/O DATA TRANSFER TOTALS	.00%
INTERNAL DATA TRANSFER TOTALS	2.00%
TOTAL COMMON MEMORY USAGE	2.00%

.....

[illegible]

** UTILIZATION STATISTICS OF NEXTMASTER AND BUS **

FACILITY	NUMBER ENTRIES	-AVERAGE UTILIZATION DURING-		CURRENT STATUS	PERCENT AVAILABILITY		TRANSACTION NUMBER	
		AVERAGE TIME/TRAN	UNAVAIL. TIME		AVAILABILITY	SEIZING	PREEMPTING	
NXTMS	43692	11.024	.034		100.0	24		
BUS	43691	13.853	.043		100.0	21		

FULLWORD MATRIX ISTOR

ROW/COLUMN	1	2	3	4	5	6	7	8	9	10
ROWS 1-35, COLUMNS 1-10 ARE ZERO										
36	0	0	246345	4479	0	0	156800	4480	0	13438
37	0	0	103415	559	0	0	156815	4480	5590	8952
38	0	0	41925	559	0	0	30780	560	30745	1678
39	0	0	0	0	0	0	0	0	0	0
40	0	0	22360	559	0	0	42000	1120	11180	1679
ROWS 41-43, COLUMNS 1-10 ARE ZERO										
44	0	0	480	1	0	0	14140	560	115	576
45	0	0	0	0	0	0	285	2	185	2
46	0	0	25	1	0	0	100	1	50	2
47	0	0	50	1	0	0	25	1	0	3
ROWS 48-60, COLUMNS 1-10 ARE ZERO										
61	0	0	0	0	0	0	0	0	781385	17362

ROW/COLUMN 11

ROWS 1-44, COLUMNS 11-11 ARE ZERO

45 24000
46 2000
47 45000

ROWS 48-61, COLUMNS 11-11 ARE ZERO

***** TOTAL RUN TIME (INCLUDING ASSEMBLY) = 1.53 MINUTES *****

LISTING OF
SIGNAL PROCESSING SIMULATION RUN #3

(\$NLA1603)

Appendix L-5c
RUN3

NOTE: REFER TO MODULE SETUP FOR MODULE IDENTIFICATION

MODULE NR	ACTIVE	PRIORITY	TYPE CONTROL	MEMORY TYPE	START/OUTPUT MODIFIER	EXECUTION MODIFIER	I/O DATA MODIFIER	INTERLOCK MODULE NR.	OUTPUT TO MODULE NR.	MAX Q LENTG
BYTE MATRIX BPARM										
ROW/COLUMN	1	2	3	4	5	6	7	8	9	10
1	1	126	1	0	0	0	0	0	2	2
2	1	125	1	0	0	0	0	0	3	4
3	1	124	1	0	0	0	0	0	5	2
4	1	123	1	0	0	0	0	0	5	2
5	1	122	1	0	0	0	0	0	6	5
6	1	121	1	0	0	0	0	0	7	2
7	1	120	2	0	0	0	0	6	2	2
8	1	119	2	0	0	0	0	7	0	2
9	0	0	0	0	0	0	0	0	0	2
10	0	0	0	0	0	0	0	0	0	2
11	0	0	0	0	0	0	0	0	0	2
12	0	0	0	0	0	0	0	0	0	2
13	0	126	1	0	0	0	0	0	0	2
14	0	125	1	0	0	0	0	0	0	2
15	0	124	1	0	0	0	0	0	0	2
16	0	123	1	0	0	0	0	0	0	2
17	0	122	1	0	0	0	0	0	0	2
18	0	120	1	0	0	0	0	0	0	2
19	0	119	1	0	0	0	0	0	0	2
20	0	124	1	0	0	0	0	0	0	2
21	0	122	1	0	0	0	0	0	0	2
22	0	0	0	0	0	0	0	0	0	2
23	0	0	0	0	0	0	0	0	0	2
24	0	0	0	0	0	0	0	0	0	2
25	0	0	0	0	0	0	0	0	0	2
26	0	0	0	0	0	0	0	0	0	2
27	0	0	0	0	0	0	0	0	0	2
28	0	0	0	0	0	0	0	0	0	2
29	0	0	0	0	0	0	0	0	0	2
30	0	0	0	0	0	0	0	0	0	2
31	0	0	0	0	0	0	0	0	0	2
32	0	0	0	0	0	0	0	0	0	2
33	0	0	0	0	0	0	0	0	0	2
34	0	0	0	0	0	0	0	0	0	2
35	0	0	0	0	0	0	0	0	0	2
36	0	0	0	0	0	0	0	0	0	2
37	0	126	1	0	0	0	0	0	0	2
38	0	125	1	0	0	0	0	0	0	2
39	0	124	1	0	0	0	0	0	0	2
40	0	123	1	0	0	0	0	0	0	2
41	0	122	1	0	0	0	0	0	0	2
42	0	121	1	0	0	0	0	0	0	2
43	0	120	1	0	0	0	0	0	0	2
44	0	124	1	0	0	0	0	0	0	2
45	0	121	1	0	0	0	0	0	0	2
46	0	0	0	0	0	0	0	0	0	2
47	0	0	0	0	0	0	0	0	0	2
48	0	0	0	0	0	0	0	0	0	2
49	0	125	1	0	0	0	0	0	50	2
50	0	124	1	0	0	0	0	0	57	2
51	0	123	1	0	0	0	0	0	0	2
52	0	122	1	0	0	0	0	0	57	2

53	0	121	1	0	0	0	0	0	0	0	0	2
54	0	123	1	0	0	0	0	0	0	0	0	2
55	0	122	1	0	0	0	0	0	0	0	0	2
56	0	126	1	0	0	0	0	0	0	0	49	2
57	0	123	1	0	0	0	0	0	0	0	53	5
58	0	121	1	1	0	0	0	0	0	0	0	2
59	0	120	2	1	0	0	0	0	58	0	0	2
60	0	119	2	1	0	0	0	0	59	0	0	2

MODULE NR. NR WORDS INPUT READ TIME WRITE TIME COMMON MEMORY STORAGE USE NR. READS NR. WRITES

HALFWORD MATRIX HPARM

ROW/COLUMN	1	2	3	4	5	6
1	0	5	2	5	0	1
2	0	5	8	5	0	1
3	0	5	2	5	0	1
4	0	5	1	5	0	1
5	0	5	16	5	0	1
6	0	20	0	0	0	1
7	0	0	1	20	0	1
8	0	0	2	20	0	1
ROWS 9-12, COLUMNS 1-6 ARE ZERO						
13	0	0	11	5	0	0
14	0	0	3	5	0	0
15	0	0	17	5	0	0
16	0	0	1	5	0	0
17	0	0	18	5	0	0
18	0	0	2	5	0	0
19	0	0	3	5	0	0
20	0	0	17	5	0	0
21	0	0	18	5	0	0
ROWS 22-36, COLUMNS 1-6 ARE ZERO						
37	0	6	12	5	0	0
38	0	0	3	5	0	0
39	0	0	33	5	0	0
40	0	0	1	5	0	0
41	0	0	34	5	0	0
42	0	0	1	5	0	0
43	0	0	1	5	0	0
44	0	0	17	5	0	0
45	0	0	18	5	0	0
ROWS 46-48, COLUMNS 1-6 ARE ZERO						
49	0	0	12	5	0	0
50	0	0	2	5	0	0
51	0	0	1041	5	0	0
52	0	0	65	5	0	0
53	0	0	521	5	0	0
54	0	0	17	5	0	0
55	0	0	1	5	0	0
56	0	0	3	5	0	0
57	0	20	1041	20	0	0
58	0	0	9	15	0	0
59	8	15	2	5	0	0
60	121	15	3	5	0	0

MODULE START CYCLE TIME OUTPUT EXECUTION START OUTPUT
NR PERIOD PERIOD PERIOD OFFSET OFFSET

• FULLWORD MATRIX FPARM

ROW/COLUMN	1	2	3	4	5
1	3125	3125	0	0	0
2	3125	12500	0	0	0
3	12500	12500	0	0	0
4	12500	12500	0	0	0
5	12500	10000000	0	0	0
6	10000000	10000000	12000	0	0
7	10000000	10000000	2000	0	0
8	10000000	150000000	45000	0	0
ROWS 9-12, COLUMNS 1-5 ARE ZERO					
13	200000	200000	0	0	0
14	200000	200000	0	0	0
15	200000	10000000	0	0	0
16	12500	200000	0	0	0
17	10000000	10000000	0	0	0
18	150000000	150000000	0	0	0
19	150000000	150000000	0	0	0
20	200000	40000000	0	0	0
21	40000000	40000000	0	0	0
ROWS 22-36, COLUMNS 1-5 ARE ZERO					
37	25000	25000	0	0	0
38	25000	25000	0	0	0
39	25000	40000000	0	0	0
40	12500	25000	0	0	0
41	40000000	40000000	0	0	0
42	600000000	600000000	0	0	0
43	600000000	600000000	0	0	0
44	25000	10000000	0	0	0
45	10000000	10000000	0	0	0
ROWS 46-48, COLUMNS 1-5 ARE ZERO					
49	12500	12500	0	0	0
50	12500	12500	0	0	0
51	12500	10000000	0	0	0
52	12500	12500	0	0	0
53	10000000	10000000	0	0	0
54	12500	10000000	0	0	0
55	12500	12500	0	0	0
56	3125	3125	0	0	0
57	12500	10000000	0	0	0
58	10000000	10000000	0	0	0
59	10000000	150000000	2000	0	0
60	150000000	150000000	45000	0	0

**** PERFORMANCE CHARACTERISTICS ****

TOTAL ELAPSED TIME OF RUN = 14000000.

** INPUT/OUTPUT AVERAGE TIMES BY BLOCK TRANSMISSION **

MODULE NR AVG TIME INPUT AVG TIME OUTPUT INTERNAL READ INTERNAL WRITE AVG TIME TIME DIFFERENCE
NEXTMSR (INTR - (AVG I/O'S + MOTIM))

* FULLWORD MATRIX IAVG

ROW/COLUMN	1	2	3	4	5	6
1	0	55	0	35	0	3035
2	0	185	0	38	0	2902
3	0	75	0	54	18	12371
4	0	70	0	54	27	12376
5	0	480	0	25	0	11995
6	0	0	0	142	92	9987858
7	0	25	0	100	25	9997875
8	0	0	0	25	0	9954975

ROWS 9-61, COLUMNS 1-6 ARE ZERO

** INTERLOCK MODULES **

START MODULE INTERLOCK INTERLOCK INTERLOCK INTERLOCK INTERLOCK INTERLOCK TOTAL I/O TOTAL (ALL) MODULE TIMES

* FULLWORD MATRIX LOCKS

ROW/COLUMN	1	2	3	4	5	6	7	8	9
1	0	0	0	0	0	0	0	403145	0
2	0	0	0	0	0	0	0	380615	0
3	0	0	0	0	0	0	0	145505	0
4	0	0	0	0	0	0	0	139925	0
5	0	0	0	0	0	0	0	28620	0
6	7	8	0	0	0	0	0	435	71000
7	8	0	0	0	0	0	0	150	47000
8	0	0	0	0	0	0	0	25	45000

ROWS 9-60, COLUMNS 1-9 ARE ZERO

[illegible]

ROW/COLUMN	1	2	3	4	5	6	7	8	9
1	0	0	0	0	0	0	0	403145	0
2	7	1	0	0	0	0	246370	380615	0
3	2	0	0	0	0	0	207015	145505	0
4	0	0	0	0	0	0	0	139925	0
5	4	3	0	0	0	0	162255	28620	0
6	5	0	0	0	0	0	480	285	24000
7	6	0	0	0	0	0	0	125	2000
8	0	0	0	0	0	0	0	25	45000

ROWS 9-60, COLUMNS 1-9 ARE ZERO

MODULE	TIME	PERCENT (XXXX = XX.XX%)
NR	UTILIZED	OF TOTAL

ROW/COLUMN	1	2
1	1	2
2	3	4
3	5	6
4	7	8
5	9	10
6	11	12
7	13	14
8	15	16
9	17	18
10	19	20
11	21	22
12	23	24
13	25	26
14	27	28
15	29	30
16	31	32
17	33	34
18	35	36
19	37	38
20	39	40
21	41	42
22	43	44
23	45	46
24	47	48
25	49	50
26	51	52
27	53	54
28	55	56
29	57	58
30	59	60
31	61	62
32	63	64
33	65	66
34	67	68
35	69	70
36	71	72
37	73	74
38	75	76
39	77	78
40	79	80
41	81	82
42	83	84
43	85	86
44	87	88
45	89	90
46	91	92
47	93	94
48	95	96
49	97	98
50	99	100

ROWS	9-60, COL
1	201580
2	201520
3	50380
4	39190
5	28400
6	50
7	50
8	25
1	201600
2	722795

•••••

I/O DATA TRANSFER TOTALS	.00%
INTERNAL DATA TRANSFER TOTALS	2.20%
TOTAL COMMON MEMORY USAGE	2.20%

.....

** WAIT STATISTICS OF MODULE STARTS AND OUTPUT STARTS **
 OUTPUT QUEUE EQUAL 60 + MODULE NR.

QUEUE	MAXIMUM CONTENTS	AVERAGE CONTENTS	TOTAL ENTRIES	ZERO ENTRIES	PERCENT ZEROS	AVERAGE TIME/TRANS	SAVERAGE TIME/TRANS	TABLE NUMBER	CURRENT CONTENTS
1	1	.000	4480	4480	100.0	.000	.000		
2	1	.013	4480	3361	75.0	41.213	165.000		
3	1	.000	1120	1120	100.0	.000	.000		
4	1	.000	1120	1120	100.0	.000	.000		
5	1	.000	1120	1119	99.9	.419	470.000		
6	1	.000	2	2	100.0	.000	.000		
7	1	.000	1	1	100.0	.000	.000		
8	1	.000	1	1	100.0	.000	.000		
61	1	.000	4479	4479	100.0	.000	.000		
62	1	.000	1119	1119	100.0	.000	.000		
63	1	.000	1119	1119	100.0	.000	.000		
64	1	.000	1119	1119	100.0	.000	.000		
65	1	.000	1	1	100.0	.000	.000		
66	1	.000	1	1	100.0	.000	.000		
67	1	.000	1	1	100.0	.000	.000		
SAVERAGE TIME/TRANS = AVERAGE TIME/TRANS EXCLUDING ZERO ENTRIES									

** UTILIZATION STATISTICS OF NEXTMASTER AND BUS **

FACILITY	NUMBER ENTRIES	AVERAGE TIME/TRAN	-AVERAGE UTILIZATION DURING-		CURRENT STATUS	PERCENT AVAILABILITY	TRANSACTION NUMBER	
			TOTAL TIME	UNAVAIL. TIME			SEIZING	PREEMPTING
NATMS	53770	11.145	.042			100.0	12	
BUS	53769	13.443	.051			100.0	24	

FULLWORD MATRIX ISTOR

ROW/COLUMN	1	2	3	4	5	6	7	8	9	10
1	0	0	246345	4479	0	0	156800	4480	0	13438
2	0	0	207015	1119	0	0	173600	4480	11190	13432
3	0	0	83925	1119	0	0	61580	1120	61545	3358
4	0	0	78330	1119	0	0	61595	1120	61545	2239
5	0	0	480	1	0	0	28140	1120	115	1136
6	0	0	0	0	0	0	285	2	185	2
7	0	0	25	1	0	0	100	1	50	2
8	0	0	0	0	0	0	25	1	0	1
	ROWS 9-60, COLUMNS 1-10 ARE ZERO									
61	0	0	0	0	0	0	0	0	1293770	20162

ROW/COLUMN 11

ROWS 1-5, COLUMNS 11-11 ARE ZERO

6	24000
7	2000
8	45000

ROWS 9-61, COLUMNS 11-11 ARE ZERO

***** TOTAL RUN TIME (INCLUDING ASSEMBLY) = 1.85 MINUTES *****

LISTING OF
SIGNAL PROCESSING SIMULATION RUN #4

(\$NLA1604)

***** CONFIGURATION PARAMETERS *****

NOTE: REFER TO MODULE SETUP FOR MODULE IDENTIFICATION

[illegible]

MODULE NR WORDS READ TIME NR WORDS OUTPUT WRITE TIME COMMON MEMORY STORAGE USE
NR NR. INPUT TIME NR. READS NR. WRITES

HALFWORD MATRIX HPARM

ROW/COLUMN	1	2	3	4	5	6
1	0	5	2	5	0	1
2	0	5	8	5	0	1
3	0	5	2	5	0	1
4	0	5	1	5	0	1
5	0	5	16	5	0	1
6	0	5	8	5	0	1
7	0	20	1	20	0	1
8	0	0	2	20	0	1
ROWS 9-12, COLUMNS 1-6 ARE ZERO						
13	0	0	11	5	0	0
14	0	0	3	5	0	0
15	0	0	17	5	0	0
16	0	0	1	5	0	0
17	0	0	18	5	0	0
18	0	0	2	5	0	0
19	0	0	3	5	0	0
20	0	0	17	5	0	0
21	0	0	18	5	0	0
ROWS 22-36, COLUMNS 1-6 ARE ZERO						
37	0	6	12	5	0	0
38	0	0	3	5	0	0
39	0	0	33	5	0	0
40	0	0	1	5	0	0
41	0	0	34	5	0	0
42	0	0	1	5	0	0
43	0	0	1	5	0	0
44	0	0	17	5	0	0
45	0	0	18	5	0	0
ROWS 46-48, COLUMNS 1-6 ARE ZERO						
49	0	0	12	5	0	0
50	0	0	2	5	0	0
51	0	0	1041	5	0	0
52	0	0	65	5	0	0
53	0	0	521	5	0	0
54	0	0	17	5	0	0
55	0	0	1	5	0	0
56	0	0	3	5	0	0
57	0	20	1041	20	0	0
58	0	0	9	15	0	0
59	8	15	2	5	0	0
60	121	15	3	5	0	0

MODULE START CYCLE TIME OUTPUT EXECUTION START OUTPUT
NR PERIOD PERIOD PERIOD OFFSET OFFSET

* FULLWORD MATRIX FPARM

ROW/COLUMN	1	2	3	4	5
1	3125	3125	0	0	0
2	3125	12500	0	0	0
3	12500	12500	0	0	0
4	12500	12500	0	0	0
5	12500	10000000	0	0	0
6	10000000	10000000	12000	0	0
7	10000000	10000000	2000	0	0
8	10000000	150000000	45000	0	0
ROWS 9-12, COLUMNS 1-5 ARE ZERO					
13	200000	200000	0	0	0
14	200000	200000	0	0	0
15	200000	10000000	0	0	0
16	12500	200000	0	0	0
17	10000000	10000000	0	0	0
18	150000000	150000000	0	0	0
19	150000000	150000000	0	0	0
20	200000	40000000	0	0	0
21	40000000	40000000	0	0	0
ROWS 22-36, COLUMNS 1-5 ARE ZERO					
37	25000	25000	0	0	0
38	25000	25000	0	0	0
39	25000	40000000	0	0	0
40	12500	25000	0	0	0
41	40000000	40000000	0	0	0
42	600000000	600000000	0	0	0
43	600000000	600000000	0	0	0
44	25000	10000000	0	0	0
45	10000000	10000000	0	0	0
ROWS 46-49, COLUMNS 1-5 ARE ZERO					
49	12500	12500	0	0	0
50	12500	12500	0	0	0
51	12500	10000000	0	0	0
52	12500	12500	0	0	0
53	10000000	10000000	0	0	0
54	12500	10000000	0	0	0
55	12500	12500	0	0	0
56	3125	3125	0	0	0
57	12500	10000000	0	0	0
58	10000000	10000000	0	0	0
59	10000000	150000000	2000	0	0
60	150000000	150000000	45000	0	0

**** PERFORMANCE CHARACTERISTICS ****

TOTAL ELAPSED TIME OF RUN = 14000000.

** INPUT/OUTPUT AVERAGE TIMES BY BLOCK TRANSMISSION **

MODULE NR	AVG TIME INPUT	AVG TIME OUTPUT	INTERNAL READ	INTERNAL WRITE	AVG TIME TIME DIFFERENCE NEXTMSTR (INTR - (AVG I/O'S + MOTIM))
1	0	55	0	35	0
2	0	185	0	38	0
3	0	75	0	54	18
4	0	70	0	54	27
5	0	485	0	25	0
6	0	315	0	115	19
7	0	70	0	145	80
8	0	0	0	35	0

• FULLWORD MATRIX IAVG

ROW/COLUMN	1	2	3	4	5	6
1	0	55	0	35	0	3035
2	0	185	0	38	0	2902
3	0	75	0	54	18	12371
4	0	70	0	54	27	12376
5	0	485	0	25	0	11990
6	0	315	0	115	19	9987570
7	0	70	0	145	80	9997785
8	0	0	0	35	0	9954965

ROWS 9-61, COLUMNS 1-6 ARE ZERO

** INTERLOCK MODULES **

START MODULE	INTERLOCK	INTERLOCK	INTERLOCK	INTERLOCK	INTERLOCK	INTERLOCK	TOTAL I/O	TOTAL (ALL) MODULE TIMES
1	0	0	0	0	0	0	403145	0
2	0	0	0	0	0	0	380615	0
3	0	0	0	0	0	0	145505	0
4	0	0	0	0	0	0	139925	0
5	0	0	0	0	0	0	28535	0
6	0	0	0	0	0	0	545	24000
7	8	0	0	0	0	0	395	49000
8	0	0	0	0	0	0	35	45000

• FULLWORD MATRIX LOCKS

ROW/COLUMN	1	2	3	4	5	6	7	8	9
1	0	0	0	0	0	0	0	403145	0
2	0	0	0	0	0	0	0	380615	0
3	0	0	0	0	0	0	0	145505	0
4	0	0	0	0	0	0	0	139925	0
5	0	0	0	0	0	0	0	28535	0
6	0	0	0	0	0	0	0	545	24000
7	8	0	0	0	0	0	0	395	49000
8	0	0	0	0	0	0	0	35	45000

ROWS 9-60, COLUMNS 1-9 ARE ZERO

[illegible]

ROW/COLUMN	1	2	3	4	5	6	7	8	9
1	0	0	0	0	0	0	0	403145	0
2	7	1	0	0	0	0	246415	380615	0
3	2	0	0	0	0	0	207015	145505	0
4	0	0	0	0	0	0	0	139925	0
5	4	3	0	0	0	0	162255	28535	0
6	5	0	0	0	0	0	485	545	24000
7	6	0	0	0	0	0	315	360	4000
8	0	0	0	0	0	0	0	35	45000

ROWS 9-60, COLUMNS 1-9 ARE ZERO

ROWS 9-60, COLUMNS 1-9 ARE ZERO

```

*** BUS TIME, ACCUMULATION BY MODULE ***
NOTE: LAST 2 MODULES = CONTROL MODULE
      = TOTALS

```

MODULE	TIME	PERCENT (XXXX = XX.XX%)
NR	UTILIZED	OF TOTAL

ROW/COLUMN	1	2
------------	---	---

1	201580	143
2	201520	143
3	50380	35
4	39190	27
5	28160	20
6	250	0
7	75	0
8	25	0

ROWS 9-60. COLUMNS 1-2 ARE ZERO

61	201630	144
62	722810	516

COMMON MEMORY USE STATISTICS (PERCENT OF BUS TIME)

I/O DATA TRANSFER TOTALS	.00%
INTERNAL DATA TRANSFER TOTALS	2.20%
TOTAL COMMON MEMORY USAGE	2.20%

 ** WAIT STATISTICS OF MODULE STARTS AND OUTPUT STARTS **
 OUTPUT QUEUE EQUAL 60 * MODULE NR.

QUEUE	MAXIMUM CONTENTS	AVERAGE CONTENTS	TOTAL ENTRIES	ZERO ENTRIES	PERCENT ZEROS	AVERAGE TIME/TRANS	AVERAGE TIME/TRANS	TABLE NUMBER	CURRENT CONTENTS
1	1	.000	4480	4480	100.0	.000	.000		
2	1	.013	4480	3361	75.0	41.213	165.000		
3	1	.000	1120	1120	100.0	.000	.000		
4	1	.000	1120	1120	100.0	.000	.000		
5	1	.000	1120	1119	99.9	.424	475.000		
6	1	.000	2	2	100.0	.000	.000		
7	1	.000	2	2	100.0	.000	.000		
8	1	.000	1	1	100.0	.000	.000		
61	1	.000	4479	4479	100.0	.000	.000		
62	1	.000	1119	1119	100.0	.000	.000		
63	1	.000	1119	1119	100.0	.000	.000		
64	1	.000	1119	1119	100.0	.000	.000		
65	1	.000	1	1	100.0	.000	.000		
66	1	.000	1	1	100.0	.000	.000		
67	1	.000	1	1	100.0	.000	.000		
\$AVERAGE TIME/TRANS = AVERAGE TIME/TRANS EXCLUDING ZERO ENTRIES									

** UTILIZATION STATISTICS OF NEXTMASTER AND BUS **

FACILITY	NUMBER ENTRIES	AVERAGE TIME/TRAN	-AVERAGE UTILIZATION DURING-		CURRENT STATUS	PERCENT AVAILABILITY	TRANSACTION NUMBER	
			TOTAL TIME	UNAVAIL. TIME			SEIZING	PREEMPTING
NXTMS	53782	11.149	.042			100.0	27	
BUS	53781	13.440	.051			100.0	26	

FULLWORD MATRIX ISTOR

ROW/COLUMN	1	2	3	4	5	6	7	8	9	10
1	0	0	246345	4479	0	0	156800	4480	0	13438
2	0	0	207015	1119	0	0	173600	4480	11190	13432
3	0	0	83925	1119	0	0	61580	1120	61545	3358
4	0	0	78330	1119	0	0	61595	1120	61545	2239
5	0	0	485	1	0	0	28050	1120	0	1136
6	0	0	315	1	0	0	230	2	195	10
7	0	0	70	1	0	0	290	2	240	3
8	0	0	0	0	0	0	35	1	0	1
ROWS 9-60, COLUMNS 1-10 ARE ZERO										
61	0	0	0	0	0	0	0	0	1295280	20165

ROW/COLUMN 11

ROWS 1-5, COLUMNS 11-11 ARE ZERO

6 24000

7 4000

8 45000

ROWS 9-61, COLUMNS 11-11 ARE ZERO

***** TOTAL RUN TIME (INCLUDING ASSEMBLY) = 1.85 MINUTES *****

** UTILIZATION STATISTICS OF NEXTMASTER AND BUS **

FACILITY	NUMBER ENTRIES	AVERAGE TIME/TRAN	-AVERAGE UTILIZATION DURING-			CURRENT STATUS	PERCENT AVAILABILITY	TRANSACTION NUMBER	
			TOTAL TIME	UNAVAIL. TIME	TIME			SEIZING	PREEMPTING
NXTMS	53782	11.149	.042				100.0	27	
BUS	53781	13.440	.051				100.0	26	

FULLWORD MATRIX ISTOR

ROW/COLUMN	1	2	3	4	5	6	7	8	9	1
1	0	0	246345	4479	0	0	156800	4480	0	1343
2	0	0	207015	1119	0	0	173600	4480	11190	1343
3	0	0	83925	1119	0	0	61580	1120	61545	335
4	0	0	78330	1119	0	0	61595	1120	61545	223
5	0	0	485	1	0	0	28050	1120	0	113
6	0	0	315	1	0	0	230	2	195	1
7	0	0	70	1	0	0	290	2	240	
8	0	0	0	0	0	0	35	1	0	
ROWS 9-60, COLUMNS 1-10 ARE ZERO										
61	0	0	0	0	0	0	0	0	1295280	2016

ROW/COLUMN 11

ROWS 1-5, COLUMNS 11-11 ARE ZERO

24000

4000

45000

ROWS 9-61, COLUMNS 11-11 ARE ZERO

***** TOTAL RUN TIME (INCLUDING ASSEMBLY) = 1.85 MINUTES *****

Appendix L-5e
RUN5

LISTING OF
SIGNAL PROCESSING SIMULATION RUN #5
(\$NLA1605)

NOTE: REFER TO MODULE SETUP FOR MODULE IDENTIFICATION

[illegible]

49	0	125	1	0	0	0	0	0	0	0	50	2
50	0	124	1	0	0	0	0	0	0	0	57	2
51	0	123	1	0	0	0	0	0	0	0	0	2
52	0	122	1	0	0	0	0	0	0	0	57	2
53	0	121	1	0	0	0	0	0	0	0	0	2
54	0	123	1	0	0	0	0	0	0	0	0	2
55	0	122	1	0	0	0	0	0	0	0	0	2
56	0	126	1	0	0	0	0	0	0	0	49	2
57	0	123	1	0	0	0	0	0	0	0	53	5
58	0	121	1	1	0	0	0	0	0	0	0	2
59	0	120	2	1	1	0	0	0	0	58	0	2
60	0	119	2	1	1	0	0	0	0	59	0	2

MODULE NR NR WORDS INPUT READ TIME NR WORDS OUTPUT WRITE TIME COMMON MEMORY STORAGE USE NR. READS NR. WRITES

HALFWORD MATRIX HPARM

ROW/COLUMN	1	2	3	4	5	6
1	0	5	2	5	0	1
2	0	5	8	5	0	1
3	0	5	2	5	0	1
4	0	5	1	5	0	1
5	0	5	16	5	0	1
6	0	20	0	0	0	1
7	0	0	1	20	0	1
8	0	0	2	20	0	1
ROWS 9-12, COLUMNS 1-6 ARE ZERO						
13	0	0	11	5	0	0
14	0	0	3	5	0	0
15	0	0	17	5	0	0
16	0	0	1	5	0	0
17	0	0	18	5	0	0
18	0	0	2	5	0	0
19	0	0	3	5	0	0
20	0	0	17	5	0	0
21	0	0	18	5	0	0
ROWS 22-23, COLUMNS 1-6 ARE ZERO						
24	0	5	2	5	0	1
25	1	5	8	5	0	1
26	0	5	2	5	0	1
27	0	5	65	5	0	1
28	0	5	1040	5	0	1
29	0	5	520	5	0	1
ROWS 30-36, COLUMNS 1-6 ARE ZERO						
37	0	6	12	5	0	0
38	0	0	3	5	0	0
39	0	0	33	5	0	0
40	0	0	1	5	0	0
41	0	0	34	5	0	0
42	0	0	1	5	0	0
43	0	0	1	5	0	0
44	0	0	17	5	0	0
45	0	0	18	5	0	0
ROWS 46-48, COLUMNS 1-6 ARE ZERO						
49	0	0	12	5	0	0
50	0	0	2	5	0	0
51	0	0	1041	5	0	0
52	0	0	65	5	0	0
53	0	0	521	5	0	0
54	0	0	17	5	0	0
55	0	0	1	5	0	0
56	0	0	3	5	0	0
57	0	20	1041	20	0	0
58	0	0	9	15	0	0
59	8	15	2	5	0	0
60	121	15	3	5	0	0

MODULE START OUTPUT EXECUTION START OUTPUT
NR CYCLE TIME PERIOD PERIOD OFFSET OFFSET

• FULLWORD MATRIX FPARM

ROW/COLUMN	1	2	3	4	5
1	3125	3125	0	0	0
2	3125	12500	0	0	0
3	12500	12500	0	0	0
4	12500	12500	0	0	0
5	12500	10000000	0	0	0
6	10000000	10000000	12000	0	0
7	10000000	10000000	2000	0	0
8	10000000	150000000	45000	0	0
ROWS 9-12, COLUMNS 1-5 ARE ZERO					
13	200000	200000	0	0	0
14	200000	200000	0	0	0
15	200000	10000000	0	0	0
16	12500	200000	0	0	0
17	10000000	10000000	0	0	0
18	150000000	150000000	0	0	0
19	150000000	150000000	0	0	0
20	200000	40000000	0	0	0
21	40000000	40000000	0	0	0
ROWS 22-23, COLUMNS 1-5 ARE ZERO					
24	3125	3125	0	0	0
25	3125	12500	0	0	0
26	12500	12500	0	0	0
27	12500	12500	0	0	0
28	12500	10000000	0	0	0
29	10000000	10000000	0	0	0
ROWS 30-31, COLUMNS 1-5 ARE ZERO					
37	25000	25000	0	0	0
38	25000	25000	0	0	0
39	25000	40000000	0	0	0
40	12500	25000	0	0	0
41	40000000	40000000	0	0	0
42	600000000	600000000	0	0	0
43	600000000	600000000	0	0	0
44	25000	10000000	0	0	0
45	10000000	10000000	0	0	0
ROWS 46-48, COLUMNS 1-5 ARE ZERO					
49	12500	12500	0	0	0
50	12500	12500	0	0	0
51	12500	10000000	0	0	0
52	12500	12500	0	0	0
53	10000000	10000000	0	0	0
54	12500	10000000	0	0	0
55	12500	12500	0	0	0
56	3125	3125	0	0	0
57	12500	10000000	0	0	0
58	10000000	10000000	0	0	0
59	10000000	150000000	2000	0	0
60	150000000	150000000	45000	0	0

**** PERFORMANCE CHARACTERISTICS ****

TOTAL ELAPSED TIME OF RUN = 14000000.

** INPUT/OUTPUT AVERAGE TIMES BY BLOCK TRANSMISSION **

MODULE NR AVG TIME INPUT AVG TIME OUTPUT INTERNAL READ INTERNAL WRITE AVG TIME TIME DIFFERENCE NEXTMR (INTR - (AVG I/O'S + MOTIM))

* FULLWORD MATRIX IAVG

ROW/COLUMN	1	2	3	4	5	6
	ROWS 1-23, COLUMNS 1-6 ARE ZERO					
24	0	55	0	35	0	3035
25	23	185	0	27	0	2890
26	0	75	0	54	18	12371
27	0	756	0	54	0	11690
28	0	17695	0	35	0	-5230
29	0	10815	0	132	1	9989053
	ROWS 30-61, COLUMNS 1-6 ARE ZERO					

** INTERLOCK MODULES **

START MODULE INTERLOCK INTERLOCK INTERLOCK INTERLOCK INTERLOCK INTERLOCK TOTAL I/O TOTAL (ALL) MODULE TIMES

* FULLWORD MATRIX LOCKS

ROW/COLUMN	1	2	3	4	5	6	7	8	9
	ROWS 1-23, COLUMNS 1-9 ARE ZERO								
24	0	0	0	0	0	0	0	403145	0
25	0	0	0	0	0	0	0	436655	0
26	0	0	0	0	0	0	0	145520	0
27	0	0	0	0	0	0	0	907630	0
28	0	0	0	0	0	0	0	56990	0
29	0	0	0	0	0	0	0	11080	0
	ROWS 30-60, COLUMNS 1-9 ARE ZERO								

•• CALL MODULES ••

CALLING MODULE	CALLING MODULE	CALLING MODULE	CALLING MODULE	CALLING MODULE	CALLING MODULE	CALLING MOD I/O TOTALS	CALLLED MOD I/O TOTALS	CALLLED MOD TIME TOTALS
-------------------	-------------------	-------------------	-------------------	-------------------	-------------------	---------------------------	---------------------------	----------------------------

• FULLWORD MATRIX CALLS

ROW/COLUMN	1	2	3	4	5	6	7	8	9
24	0	0	0	0	0	0	207015	403145	0
25	0	0	0	0	0	0	246345	436655	0
26	0	0	0	0	0	0	0	145520	0
27	0	0	0	0	0	0	0	907630	0
28	26	0	0	0	0	0	929960	56990	0
29	0	0	0	0	0	0	17695	11080	0

ROWS 1-23, COLUMNS 1-9 ARE ZERO

ROWS 30-60, COLUMNS 1-9 ARE ZERO

•••••

•• BUS TIME, ACCUMULATION BY MODULE ••
NOTE: LAST 2 MODULES = CONTROL MODULE
= TOTALS

MODULE NR	TIME UTILIZED	PERCENT OF TOTAL
--------------	------------------	---------------------

• FULLWORD MATRIX TIME

ROW/COLUMN	1	2
------------	---	---

ROWS 1-23, COLUMNS 1-2 ARE ZERO

24	201580	143
25	246320	175
26	50380	35
27	755350	539
28	38400	27
29	5250	3

ROWS 30-60, COLUMNS 1-2 ARE ZERO

61	201600	144
62	1498880	1070

•••••

•• COMMON MEMORY USE STATISTICS (PERCENT OF BUS TIME)

I/O DATA TRANSFER TOTALS	.00%
INTERNAL DATA TRANSFER TOTALS	2.20%
TOTAL COMMON MEMORY USAGE	2.20%

•••••

** WAIT STATISTICS OF MODULE STARTS AND OUTPUT STARTS **
OUTPUT QUEUE EQUAL 60 * MODULE NR.

QUEUE	MAXIMUM CONTENTS	AVERAGE CONTENTS	TOTAL ENTRIES	ZERO ENTRIES	PERCENT ZEROS	AVERAGE TIME/TRANS	SAVERAGE TIME/TRANS	TABLE NUMBER	CURRENT CONTENTS
24	1	.000	4480	4480	100.0	.000	.000		
25	1	.013	4480	3361	75.0	41.213	165.000		
26	1	.000	1120	1120	100.0	.000	.000		
27	1	.000	1120	1120	100.0	.000	.000		
28	2	.001	1120	1118	99.8	20.437	1145.000		
29	1	.000	2	2	100.0	.000	.000		
84	1	.000	4479	4479	100.0	.000	.000		
85	1	.000	1119	1119	100.0	.000	.000		
86	1	.000	1119	1119	100.0	.000	.000		
87	1	.000	1119	1119	100.0	.000	.000		
88	1	.000	1	1	100.0	.000	.000		
89	1	.000	1	1	100.0	.000	.000		
SAVERAGE TIME/TRANS = AVERAGE TIME/TRANS EXCLUDING ZERO ENTRIES									

** UTILIZATION STATISTICS OF NEXTMASTER AND BUS **

FACILITY	NUMBER ENTRIES	-AVERAGE UTILIZATION DURING-				CURRENT STATUS	PERCENT AVAILABILITY	TRANSACTION NUMBER	
		AVERAGE TIME/TRANS	TOTAL TIME	AVAIL. TIME	UNAVAIL. TIME			SEIZING	PREEMPTING
NXTMS	131407	5.212	.048				100.0	23	
BUS	131406	11.406	.107				100.0	14	

FULLWORD MATRIX 1STOR

ROW/COLUMN	1	2	3	4	5	6	7	8	9	10
ROWS 1-23, COLUMNS 1-10 ARE ZERO										
24	0	0	246345	4479	0	0	156800	4480	0	13438
25	106400	4480	207015	1119	0	0	123240	4480	11190	17912
26	0	0	83925	1119	0	0	61595	1120	61545	3358
27	0	0	846035	1119	0	0	61595	1120	61545	73855
28	0	0	17695	1	0	0	39295	1120	785	2160
29	0	0	10815	1	0	0	265	2	595	522
ROWS 30-60, COLUMNS 1-10 ARE ZERO										
61	0	0	0	0	0	0	0	0	1318820	20162

ROWS 1-61, COLUMNS 11-11 ARE ZERO

***** TOTAL RUN TIME (INCLUDING ASSEMBLY) = 2.55 MINUTES *****

LISTING OF
SIGNAL PROCESSING SIMULATION RUN #6
(\$NLA1606)

Appendix L-5f
RUN6

NOTE: REFER TO MODULE SETUP FOR MODULE IDENTIFICATION

NOTE: REFER TO MODULE SETUP FOR MODULE IDENTIFICATION

[illegible]

MODULE NR NR WORDS READ TIME NR WORDS OUTPUT WRITE TIME COMMON MEMORY STORAGE USE NR. READS NR. WRITES

* HALFWORD MATRIX HPARM

ROW/COLUMN	1	2	3	4	5	6
1	0	5	2	5	0	1
2	0	5	8	5	0	1
3	0	5	2	5	0	1
4	0	5	1	5	0	1
5	0	5	16	5	0	1
6	0	20	0	0	0	1
7	0	0	1	20	0	1
8	0	0	2	20	0	1
ROWS 9-12, COLUMNS 1-6 ARE ZERO						
13	0	0	11	5	0	0
14	0	0	3	5	0	0
15	0	0	17	5	0	0
16	0	0	1	5	0	0
17	0	0	18	5	0	0
18	0	0	2	5	0	0
19	0	0	3	5	0	0
20	0	0	17	5	0	0
21	0	0	18	5	0	0
ROWS 22-23, COLUMNS 1-6 ARE ZERO						
24	0	5	2	5	0	1
25	1	5	8	5	0	1
26	0	5	2	5	0	1
27	0	5	65	5	0	1
28	0	20	1040	20	0	1
29	0	5	520	5	0	1
ROWS 30-36, COLUMNS 1-6 ARE ZERO						
37	0	6	12	5	0	0
38	0	0	3	5	0	0
39	0	0	33	5	0	0
40	0	0	1	5	0	0
41	0	0	34	5	0	0
42	0	0	1	5	0	0
43	0	0	1	5	0	0
44	0	0	17	5	0	0
45	0	0	18	5	0	0
ROWS 46-48, COLUMNS 1-6 ARE ZERO						
49	0	0	12	5	0	0
50	0	0	2	5	0	0
51	0	0	1041	5	0	0
52	0	0	65	5	0	0
53	0	0	521	5	0	0
54	0	0	17	5	0	0
55	0	0	1	5	0	0
56	0	0	3	5	0	0
57	0	20	1041	20	0	0
58	0	0	9	15	0	0
59	8	15	2	5	0	0
60	121	15	3	5	0	0

MODULE START OUTPUT EXECUTION START OUTPUT
NR CYCLE TIME PERIOD PERIOD PERIOD OFFSET

FULLWORD MATRIX FPRM

ROW/COLUMN	1	2	3	4	5
1	3125	3125	0	0	0
2	3125	12500	0	0	0
3	12500	12500	0	0	0
4	12500	12500	0	0	0
5	12500	10000000	0	0	0
6	10000000	10000000	12000	0	0
7	10000000	10000000	2000	0	0
8	10000000	150000000	45000	0	0
ROWS 9-12, COLUMNS 1-5 ARE ZERO					
13	200000	200000	0	0	0
14	200000	200000	0	0	0
15	200000	10000000	0	0	0
16	12500	200000	0	0	0
17	10000000	10000000	0	0	0
18	150000000	150000000	0	0	0
19	150000000	150000000	0	0	0
20	200000	40000000	0	0	0
21	40000000	40000000	0	0	0
ROWS 22-23, COLUMNS 1-5 ARE ZERO					
24	3125	3125	0	0	0
25	3125	12500	0	0	0
26	12500	12500	0	0	0
27	12500	12500	0	0	0
28	12500	10000000	0	0	0
29	10000000	10000000	0	0	0
ROWS 30-36, COLUMNS 1-5 ARE ZERO					
37	25000	25000	0	0	0
38	25000	25000	0	0	0
39	25000	40000000	0	0	0
40	12500	25000	0	0	0
41	40000000	40000000	0	0	0
42	600000000	600000000	0	0	0
43	600000000	600000000	0	0	0
44	25000	10000000	0	0	0
45	10000000	10000000	0	0	0
ROWS 46-48, COLUMNS 1-5 ARE ZERO					
49	12500	12500	0	0	0
50	12500	12500	0	0	0
51	12500	10000000	0	0	0
52	12500	12500	0	0	0
53	10000000	10000000	0	0	0
54	12500	10000000	0	0	0
55	12500	12500	0	0	0
56	3125	3125	0	0	0
57	12500	10000000	0	0	0
58	10000000	10000000	0	0	0
59	10000000	150000000	2000	0	0
60	150000000	150000000	45000	0	0

**** PERFORMANCE CHARACTERISTICS ****

TOTAL ELAPSED TIME OF RUN = 14000000.

** INPUT/OUTPUT AVERAGE TIMES BY BLOCK TRANSMISSION **

MODULE NR	AVG TIME INPUT	AVG TIME OUTPUT	INTERNAL READ	INTERNAL WRITE	AVG TIME NEXTMSR	TIME DIFFERENCE (INTR - (AVG I/O'S + MOTIM))
24	0	55	0	35	0	3035
25	23	215	0	31	0	2856
26	0	105	0	54	18	12341
27	0	1734	0	54	0	10712
28	0	34420	0	50	1	-26370
29	0	26035	0	147	15	9973818

* FULLWORD MATRIX IAVG

ROW/COLUMN	1	2	3	4	5	6
ROWS 1-23, COLUMNS 1-6 ARE ZERO						

24	0	55	0	35	0	3035
----	---	----	---	----	---	------

25	23	215	0	31	0	2856
----	----	-----	---	----	---	------

26	0	105	0	54	18	12341
----	---	-----	---	----	----	-------

27	0	1734	0	54	0	10712
----	---	------	---	----	---	-------

28	0	34420	0	50	1	-26370
----	---	-------	---	----	---	--------

29	0	26035	0	147	15	9973818
----	---	-------	---	-----	----	---------

ROWS 30-61, COLUMNS 1-6 ARE ZERO

** INTERLOCK MODULES **

START MODULE	INTERLOCK	INTERLOCK	INTERLOCK	INTERLOCK	INTERLOCK	INTERLOCK	INTERLOCK	TOTAL I/O	TOTAL (ALL) MODULE TIMES
24	0	0	0	0	0	0	0	403145	0
25	0	0	0	0	0	0	0	487195	0
26	0	0	0	0	0	0	0	179090	0
27	0	0	0	0	0	0	0	2002955	0
28	0	0	0	0	0	0	0	94920	0
29	0	0	0	0	0	0	0	26330	0

* FULLWORD MATRIX LOCKS

ROW/COLUMN	1	2	3	4	5	6	7	8	9
ROWS 1-23, COLUMNS 1-9 ARE ZERO									

24	0	0	0	0	0	0	0	403145	0
----	---	---	---	---	---	---	---	--------	---

25	0	0	0	0	0	0	0	487195	0
----	---	---	---	---	---	---	---	--------	---

26	0	0	0	0	0	0	0	179090	0
----	---	---	---	---	---	---	---	--------	---

27	0	0	0	0	0	0	0	2002955	0
----	---	---	---	---	---	---	---	---------	---

28	0	0	0	0	0	0	0	94920	0
----	---	---	---	---	---	---	---	-------	---

29	0	0	0	0	0	0	0	26330	0
----	---	---	---	---	---	---	---	-------	---

ROWS 30-60, COLUMNS 1-9 ARE ZERO

•• CALL MODULES ••

CALLER MODULE	CALLING MODULE	CALLING MODULE	CALLING MODULE	CALLING MODULE	CALLING MODULE	CALLING MOD I/O TOTALS	CALLER MOD I/O TOTALS	CALLER MOD TIME TOTALS
------------------	-------------------	-------------------	-------------------	-------------------	-------------------	---------------------------	--------------------------	---------------------------

• FULLWORD MATRIX CALLS

ROW/COLUMN	1	2	3	4	5	6	7	8	9
24	25	0	0	0	0	0	240585	403145	0
25	24	0	0	0	0	0	246345	487195	0
26	0	0	0	0	0	0	0	179090	0
27	0	0	0	0	0	0	0	2002955	0
28	27	26	0	0	0	0	2058855	94920	0
29	28	0	0	0	0	0	38820	26330	0

ROWS 1-23, COLUMNS 1-9 ARE ZERO

ROWS 30-60, COLUMNS 1-9 ARE ZERO

•• BUS TIME ACCUMULATION BY MODULE ••

NOTE: LAST 2 MODULES = CONTROL MODULE = TOTALS

MODULE NR	TIME UTILIZED	PERCENT OF TOTAL
--------------	------------------	---------------------

• FULLWORD MATRIX TIME

ROW/COLUMN	1	2
24	201540	143
25	246320	175
26	83950	59
27	1846375	1314
28	54000	38
29	5250	3
61	201600	144
62	2639075	1885

ROWS 1-23, COLUMNS 1-2 ARE ZERO

ROWS 30-60, COLUMNS 1-2 ARE ZERO

•• COMMON MEMORY USE STATISTICS (PERCENT OF BUS TIME)

I/O DATA TRANSFER TOTALS	.00%
INTERNAL DATA TRANSFER TOTALS	2.20%
TOTAL COMMON MEMORY USAGE	2.20%

** WAIT STATISTICS OF MODULE STARTS AND OUTPUT STARTS **
 OUTPUT QUEUE EQUAL 60 * MODULE NR.

QUEUE	MAXIMUM CONTENTS	AVERAGE CONTENTS	TOTAL ENTRIES	ZERO ENTRIES	PERCENT ZEROS	AVERAGE TIME/TRANS	SAVERAGE TIME/TRANS	TABLE NUMBER	CURRENT CONTENTS
24	1	.000	4480	4480	100.0	.000	.000		
25	1	.015	4480	3361	75.0	48.706	195.000		
26	1	.000	1120	1120	100.0	.000	.000		
27	1	.000	1120	1120	100.0	.000	.000		
28	4	.005	1120	1116	99.6	71.861	20121.250		
29	1	.000	2	2	100.0	.000	.000		
84	1	.000	4479	4479	100.0	.000	.000		
85	1	.000	1119	1119	100.0	.000	.000		
86	1	.000	1119	1119	100.0	.000	.000		
87	1	.000	1119	1119	100.0	.000	.000		
88	1	.000	1	1	100.0	.000	.000		
89	1	.000	1	1	100.0	.000	.000		
SAVERAGE TIME/TRANS = AVERAGE TIME/TRANS EXCLUDING ZERO ENTRIES									

** UTILIZATION STATISTICS OF NEXTMASTER AND BUS **

FACILITY	NUMBER ENTRIES	-AVERAGE UTILIZATION DURING-				CURRENT STATUS	PERCENT AVAILABILITY	TRANSACTION NUMBER	
		AVERAGE TIME/TRANS	TOTAL TIME	UNAVAIL. TIME	UNAVAIL. TIME			SEIZING	PREEMPTING
NXTMS	131407	5.975	.056				100.0	21	
BUS	131406	20.083	.188				100.0	6	

FULLWORD MATRIX ISTOR

ROW/COLUMN	1	2	3	4	5	6	7	8	9	10
	ROWS 1-23, COLUMNS 1-10 ARE ZERO									
24	0	0	246345	4479	0	0	156800	4480	0	13438
25	106400	4480	240585	1119	0	0	140210	4480	11190	17912
26	0	0	117495	1119	0	0	61595	1120	61545	3358
27	0	0	1941360	1119	0	0	61595	1120	61795	73855
28	0	0	38820	1	0	0	56100	1120	2295	2160
29	0	0	26035	1	0	0	295	2	8030	522
	ROWS 30-60, COLUMNS 1-10 ARE ZERO									
61	0	0	0	0	0	0	0	0	1441195	20162

ROWS 1-61, COLUMNS 11-11 ARE ZERO

***** TOTAL RUN TIME (INCLUDING ASSEMBLY) = 2.55 MINUTES *****

LISTING OF
SWITCHING SYSTEM SIMULATION PEAK HOUR LOAD
(\$NLA1201)

Appendix L-6a
Peak Hour

*** CONFIGURATION PARAMETERS ***
 NOTE: REFER TO MODULE SETUP FOR MODULE IDENTIFICATION

MODULE NR	ACTIVE	PRIORITY	TYPE CONTROL	MEMORY TYPE	START/OUTPUT MODIFIER	EXECUTION MODIFIER	I/O DATA MODIFIER	INTERLOCK MODULE NR.	OUTPUT TO MODULE NR.	MAX Q LENG
BYTE MATRIX HP4PM										
ROW/COLUMN	1	2	3	4	5	6	7	8	9	10
1	1	114	0	3	7	0	0	0	0	0
2	1	115	2	3	0	0	7	13	0	0
3	1	117	2	3	0	0	0	2	0	0
4	1	118	2	3	0	0	0	3	0	0
5	1	119	2	3	0	0	2	14	0	0
6	1	127	0	3	0	0	0	0	0	0
7	1	111	0	3	1	0	5	0	0	0
8	1	120	2	3	4	0	7	15	0	0
9	1	112	0	3	1	0	5	0	0	0
10	1	121	2	3	4	0	7	16	0	0
11	1	113	0	3	1	0	5	0	0	0
12	1	122	2	3	4	0	7	17	0	0
13	1	116	0	3	0	0	0	0	0	0
14	1	123	0	3	4	0	0	0	0	0
15	1	124	0	3	4	0	0	0	0	0
16	1	125	0	3	4	0	0	0	0	0
17	1	126	0	3	4	0	0	0	0	0
ROWS 14-17, COLUMNS 1-10 ARE ZERO										
20	0	114	0	3	7	0	0	0	0	0
21	0	115	2	3	0	0	7	31	0	0
22	0	117	2	3	0	0	0	2	0	0
23	0	118	2	3	0	0	0	3	0	0
24	0	119	2	3	0	0	5	32	0	0
25	0	111	0	3	1	0	5	0	0	0
26	0	120	2	3	4	0	7	33	0	0
27	0	112	0	3	1	0	5	0	0	0
28	0	121	2	3	4	0	7	34	0	0
29	0	113	0	3	1	0	5	0	0	0
30	0	122	2	3	4	0	7	35	0	0
31	0	116	0	3	0	0	0	0	0	0
32	0	123	0	3	2	0	0	0	0	0
33	0	124	0	3	4	0	0	0	0	0
34	0	125	0	3	4	0	0	0	0	0
35	0	126	0	3	4	0	0	0	0	0
ROWS 30-35, COLUMNS 1-10 ARE ZERO										

BEST AVAILABLE COPY

MODULE START CYCLE TIME OUTPUT PERIOD EXECUTION PERIOD START OFFSET OUTPUT OFFSET

9 FULLWORD MATRIX PARAM

ROW/COLUMN

1	3560000	3560000	11000	0	0
2	3200000	3200000	55000	0	0
3	3200000	3200000	33000	0	0
4	3200000	3200000	33000	0	0
5	57600000	57600000	11000	0	0
6	100000	100000	11000	0	0
7	0	154400000	11000	10	11000
8	5740000	5760000	11000	0	0
9	0	79200000	11000	1000	11000
10	2690000	2890000	11000	0	0
11	0	74200000	11000	1250	5500
12	2590000	2540000	11000	0	0
13	100000	3200000	1100	0	0
14	100000	57600000	1100	0	0
15	100000	5749000	1100	0	0
16	100000	2890000	1100	0	0
17	100000	2890000	1100	0	0
18-19	ROWS 18-19, COLUMNS 1-5 ARE ZERO				
20	3420000	3420000	11000	0	0
21	2300000	2300000	55000	0	0
22	2300000	2300000	33000	0	0
23	2300000	2300000	33000	0	0
24	12400000	12400000	11000	0	0
25	35200000	35200000	11000	0	0
26	4260000	4260000	11000	0	0
27	17600000	17600000	11000	0	0
28	2440000	2440000	11000	0	0
29	17600000	17600000	11000	0	0
30	2440000	2440000	11000	0	0
31	100000	2300000	1100	0	0
32	100000	12400000	1100	0	0
33	100000	4260000	1100	0	0
34	100000	2440000	1100	0	0
35	100000	2440000	1100	0	0

ROWS 30-35, COLUMNS 1-5 ARE ZERO

BEST AVAILABLE COPY

*** PERFORMANCE CHARACTERISTICS ***

TOTAL ELAPSED TIME OF RUN = 340000000.

** INPUT/OUTPUT AVERAGE TIMES BY BLOCK TRANSMISSION **

MODULE AVG TIME AVG TIME INTERNAL AVG TIME TIME DIFFERENCE
 INPUT OUTPUT READ WRITE NEXTWSTR (INTX - (AVG I/O'S * MOUTIM))

° FULLWORD MATRIX IAVG

ROW/COLUMN	1	2	3	4	5	6
1	0	10631	335	374	5	3537660
2	8541	0	0	285	99	3136174
3	0	0	470	114	0	3166412
4	0	690	0	117	0	3166193
5	40066	0	0	230	0	57546704
6	0	0	3753	1702	0	83545
7	0	31022	0	0	12	-42022
8	13433	0	0	237	0	5754430
9	0	24035	0	0	0	-35035
10	13431	0	0	246	0	2865373
11	0	36040	0	0	1	-47040
12	13143	0	0	253	0	2865504
13	0	0	2908	0	12	43492
14	0	0	244	0	2	46051
15	0	0	244	0	1	48651
16	0	0	250	0	2	98650
17	0	0	246	0	1	98654

ROWS 18-51. COLUMNS 1-6 ARE ZERO

BEST AVAILABLE COPY

00 HOS TIME, ACCUMULATED BY MODULE 00

NOTE: LAST 2 DIGITS = CUMULATED MODULE

= TOTALS

MODULE TIME PERCENT (XXXX = XX.XX%)
 No UTILIZED OF TOTAL

FULLWORD MATRIX TIME

ROW/COLUMN 1 2

1	933340	27
2	355470	10
3	60750	1
4	45330	2
5	173075	5
6	1329400	340
7	25750	0
8	794165	23
9	47150	1
10	147175	43
11	204495	6
12	1553535	45
13	463200	137
14	752350	23
15	747240	23
16	776320	22
17	772600	22
62	26635025	739

ROWS 18-61, COLUMNS 1-2 ARE ZERO

00 COMMOD MEMORY USE STATISTICS (PERCENT OF HOS TIME)

I/O DATA TRANSFER TOTALS	1.61%
INTERNAL DATA TRANSFER TOTALS	6.27%
TOTAL COMMOD MEMORY USAGE	7.89%

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** WAIT STATISTICS OF MODULE STARTS AND OUTPUT STARTS **
 OUTPUT QUEUE EQUAL 50 + MODULE NR.

QUEUE	MAXIMUM CONTENTS	AVERAGE CONTENTS	TOTAL ENTRIES	ZERO ENTRIES	PERCENT ZEROS	AVERAGE TIME/TRANS	AVERAGE TIME/TRANS 7791.000	TABLE NUMBER	CURRENT CONTENTS
1	1	.000	95	95	98.9	81.156	.000		.000
2	1	.000	106	106	100.0	.000	.000		.000
3	1	.000	106	106	100.0	.000	.000		.000
4	1	.000	106	106	100.0	.000	.000		.000
5	1	.000	5	5	100.0	.000	.000		.000
6	1	.000	3401	3401	100.0	.000	.000		.000
9	1	.000	61	61	100.0	.000	.000		.000
10	1	.000	119	119	100.0	.000	.000		.000
12	1	.000	124	124	100.0	.000	.000		.000
13	1	.000	3401	3401	100.0	.000	.000		.000
14	1	.000	3445	3445	100.0	.000	.000		.000
15	1	.000	3423	3423	100.0	.000	.000		.000
16	1	.000	3384	3384	100.0	.000	.000		.000
17	1	.000	3360	3360	100.0	.000	.000		.000
51	1	.000	92	92	100.0	.000	.000		.000
62	1	.000	106	106	100.0	.000	.000		.000
63	1	.000	106	106	100.0	.000	.000		.000
64	1	.000	106	106	100.0	.000	.000		.000
65	1	.000	5	5	100.0	.000	.000		.000
66	1	.000	3400	3400	100.0	.000	.000		.000
67	1	.000	1	1	100.0	.000	.000		.000
68	1	.000	61	61	100.0	.000	.000		.000
69	1	.000	2	2	100.0	.000	.000		.000
70	1	.000	119	119	100.0	.000	.000		.000
71	1	.000	6	6	100.0	.000	.000		.000
72	1	.000	124	124	100.0	.000	.000		.000
73	1	.000	106	106	100.0	.000	.000		.000
74	1	.000	5	5	100.0	.000	.000		.000
75	1	.000	61	61	100.0	.000	.000		.000
76	1	.000	119	119	100.0	.000	.000		.000
77	1	.000	124	124	100.0	.000	.000		.000

AVERAGE TIME/TRANS = AVERAGE TIME/TRANS EXCLUDING ZERO ENTRIES

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99 UTILIZATION STATISTICS OF NEXTMASTER AND BUS 99

FACILITY	NUMBER ENTRIES	AVERAGE		-AVERAGE UTILIZATION		CURRENT STATUS	PERCENT AVAILABILITY	TRANSACTION NUMBER	
		TIME/TOTAL	TIME	TOTAL	UNAVAIL. TIME			SEIZING	PREEMPTING
XTMS	233357	46.387	.031				100.0	25	
BUS	233356	114.999	.078				100.0	11	

FULLWORD MATRIX LISTING

ROW/COLUMN	1	2	3	4	5	6	7	8	9	10
1	0	0	978073	92	32236	96	35945	96	45185	8116
2	905340	106	0	0	0	0	30245	106	315095	3178
3	0	0	0	0	49836	106	12535	106	15	530
4	0	0	73153	106	0	0	12451	106	40	742
5	200330	5	0	0	0	0	1150	5	1035	1505
6	0	0	0	0	12762730	3400	576720	3400	115	115601
7	0	0	31022	1	0	0	0	0	2732	224
8	843670	61	0	0	0	0	14490	61	2230	6519
9	0	0	44070	2	0	0	0	0	0	410
10	1592441	114	0	0	0	0	29325	114	2169	12885
11	0	0	216545	6	0	0	0	0	3220	1813
12	1629744	124	0	0	0	0	31395	124	1567	13599
13	0	0	0	0	9684885	3400	0	0	500100	40401
14	0	0	0	0	65454	3445	0	0	14674	6890
15	0	0	0	0	653303	3423	0	0	13003	6846
16	0	0	0	0	847430	3384	0	0	14571	6768
17	0	0	0	0	827236	3360	0	0	10468	6720

ROWS TOTAL: COLUMNS 1-10 ARE ZERO

ROW/COLUMN 11

1	107000
2	530000
3	540000
4	349000
5	25000
6	3740000
7	0
8	671000
9	0
10	1304000
11	0
12	1364000
13	3740000
14	3749500
15	3765300
16	3722400
17	3690000

ROWS 14-17: COLUMNS 11-17 ARE ZERO

BEST AVAILABLE COPY

LISTING OF
SWITCHING SYSTEM SIMULATION PEAK SECOND LOAD
(\$NLA1202)

***** CONFIGURATION PARAMETERS *****

NOTE: REFER TO MODULE SETUP FOR MODULE IDENTIFICATION

MODULE NR	ACTIVE	PRIORITY	TYPE CONTROL	MEMORY TYPE	START/OUTPUT MODIFIER	EXECUTION MODIFIER	I/O DATA MODIFIER	INTERLOCK MODULE NR.	OUTPUT TO MODULE NR.	MAX Q LENTG
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• BYTE MATRIX BPARM

ROW/COLUMN	1	2	3	4	5	6	7	8	9	10
6	ROWS 1-5, COLUMNS 1-10 ARE ZERO									
20	1	114	0	3	7	0	0	0	0	0
21	1	115	2	3	0	0	7	31	0	0
22	1	117	2	3	0	0	0	21	0	0
23	1	118	2	3	0	0	0	22	0	0
24	1	119	2	3	0	0	5	32	0	0
25	1	111	0	3	1	0	5	0	0	0
26	1	120	2	3	4	0	7	33	0	0
27	1	112	0	3	1	0	5	0	0	0
28	1	121	2	3	4	0	7	34	0	0
29	1	113	0	3	1	0	5	0	0	0
30	1	122	2	3	4	0	7	35	0	0
31	1	116	0	3	0	0	0	0	0	0
32	1	123	0	3	4	0	0	0	0	0
33	1	124	0	3	4	0	0	0	0	0
34	1	125	0	3	4	0	0	0	0	0
35	1	126	0	3	4	0	0	0	0	0
	ROWS 36-60, COLUMNS 1-10 ARE ZERO									

MODULE NR	NR WORDS INPUT	READ TIME	NR WORDS OUTPUT	WRITE TIME	COMMON MEMORY STORAGE USE NR. READS	NR. WRITES
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• HALFWORD MATRIX HPARM

ROW/COLUMN	1	2	3	4	5	6
6	ROWS 1-5, COLUMNS 1-6 ARE ZERO					
20	0	110	0	110	20	14
21	30	110	0	110	2	3
22	0	110	0	110	4	2
23	0	110	6	110	0	1
24	320	110	0	110	0	2
25	0	110	320	110	2	2
26	215	110	0	110	2	2
27	0	110	320	110	2	3
28	215	110	0	110	0	2
29	0	110	320	110	2	3

30	215	110	0	110	0	2
31	0	110	0	110	12	0
32	0	110	0	110	2	0
33	0	110	0	110	2	0
34	0	110	0	110	2	0
35	0	110	0	110	2	0

ROWS 36-60, COLUMNS 1-6 ARE ZERO

MODULE NR	START CYCLE TIME	OUTPUT PERIOD	EXECUTION PERIOD	START OFFSET	OUTPUT OFFSET
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FULLWORD MATRIX FPARM

ROW/COLUMN	1	2	3	4	5
6	100000	100000	11000	0	0
20	3180000	3180000	11000	0	0
21	1480000	1480000	55000	0	0
22	1480000	1480000	33000	0	0
23	1480000	1480000	33000	0	0
24	5000000	5000000	11000	0	0
25	13780000	13780000	11000	0	0
26	2820000	2820000	11000	0	0
27	6880000	6880000	11000	0	0
28	1400000	1400000	11000	0	0
29	6880000	6880000	11000	0	0
30	1400000	1400000	11000	0	0
31	1000000	1480000	1100	0	0
32	1000000	5000000	1100	0	0
33	1000000	2820000	1100	0	0
34	1000000	1400000	1100	0	0
35	1000000	1400000	1100	0	0

ROWS 1-5, COLUMNS 1-5 ARE ZERO

ROWS 7-19, COLUMNS 1-5 ARE ZERO

ROWS 36-60, COLUMNS 1-5 ARE ZERO

**** PERFORMANCE CHARACTERISTICS ****

TOTAL ELAPSED TIME OF RUN = 200000000.

** INPUT/OUTPUT AVERAGE TIMES BY BLOCK TRANSMISSION **

MODULE NR AVG TIME INPUT AVG TIME OUTPUT INTERNAL READ INTERNAL WRITE AVG TIME NEXTMSTR (INTR - (AVG I/O'S * MOTIM)) TIME DIFFERENCE

* FULLWORD MATRIX IAVG

ROW/COLUMN 1 2 3 4 5 6

6 ROWS 1-5, COLUMNS 1-6 ARE ZERO

0 0 0 3791 1777 0 83432

20 ROWS 7-19, COLUMNS 1-6 ARE ZERO

0 0 15076 354 373 12 3153197

21 4476 0 0 258 19 1420266

22 0 0 511 129 0 1446360

23 0 787 0 122 3 1446091

24 34791 0 0 254 1 4953955

25 0 49057 3841 258 13 13715844

26 27407 0 0 260 1 2781333

27 0 40443 512 389 6 6827656

28 28873 0 0 272 1 1359855

29 0 47212 520 498 7 6820770

30 26667 0 0 257 0 1362076

31 0 0 3250 0 41 95650

32 0 0 257 0 2 98643

33 0 0 257 0 1 98643

34 0 0 259 0 2 98641

35 0 0 256 0 1 98644

ROWS 36-61, COLUMNS 1-6 ARE ZERO

START MODULE	INTERLOCK	INTERLOCK	INTERLOCK	INTERLOCK	INTERLOCK	TOTAL I/O	TOTAL (ALL) MODULE TIMES
1							
2							
3							
4							
5							
6							
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97							
98							
99							
100							

FULLWORD MATRIX LOCKS

POW/COLUMN	1	2	3	4	5	6	7	8	9
6									
	ROWS 1-5, COLUMNS 1-9 ARE ZERO								
0	0	0	0	0	0	0	0	11137649	22000000
20									
21	22	23	0	0	0	0	0	939075	748000
22	23	0	0	0	0	0	0	848495	16335000
23	0	0	0	0	0	0	0	209311	8910000
24	0	0	0	0	0	0	0	122786	4455000
25	0	0	0	0	0	0	0	1471935	462000
26	0	0	0	0	0	0	0	948640	176000
27	0	0	0	0	0	0	0	1964472	781000
28	0	0	0	0	0	0	0	1167564	429000
29	0	0	0	0	0	0	0	3876345	1463000
30	0	0	0	0	0	0	0	1025070	363000
31	21	22	23	0	0	0	0	3715647	1518000
32	24	0	0	0	0	0	0	7348654	18535000
33	26	0	0	0	0	0	0	1976544	2621300
34	28	0	0	0	0	0	0	2495239	3049200
35	30	0	0	0	0	0	0	4393643	3653100
	ROWS 36-60, COLUMNS 1-9 ARE ZERO								
								4236923	3752100

.....

*** CALL MODULES ***

[illegible]

FULLWORD MATRIX CALLS

[illegible]

** BUS TIME, ACCUMULATION BY MODULE **
 NOTE: LAST 2 MODULES = CONTROL MODULE
 = TOTALS

MODULE NR	TIME UTILIZED	PERCENT (XXXX = XX.XX%) OF TOTAL
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* FULLWORD MATRIX TIMT

ROW/COLUMN	1	2
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ROWS 1-5, COLUMNS 1-2 ARE ZERO

390

ROWS 7-19, COLUMNS 1-2 ARE ZERO

38

23

3

5

65

37

86

48

165

40

165

137

22

23

22

23

23

23

1302

** COMMON MEMORY USE STATISTICS (PERCENT OF BUS TIME)

I/O DATA TRANSFER TOTALS 6.66%

INTERNAL DATA TRANSFER TOTALS 6.36%

TOTAL COMMON MEMORY USAGE 13.03%

** WAIT STATISTICS OF MODULE STARTS AND OUTPUT STARTS **
 OUTPUT QUEUE EQUAL 60 + MODULE NR.

QUEUE	MAXIMUM CONTENTS	AVERAGE CONTENTS	TOTAL ENTRIES	ZERO ENTRIES	PERCENT ZEROS	AVERAGE TIME/TRANS	SAVERAGE TIME/TRANS	TABLE NUMBER	CURRENT CONTENTS
6	1	.000	2001	2001	100.0	.000	.000		
20	1	.000	68	68	100.0	.000	.000		
21	1	.000	135	135	100.0	.000	.000		
22	1	.000	135	135	100.0	.000	.000		
23	1	.000	135	135	100.0	.000	.000		
24	1	.000	42	42	100.0	.000	.000		
25	1	.000	16	16	100.0	.000	.000		
26	1	.000	71	71	100.0	.000	.000		
27	1	.000	39	39	100.0	.000	.000		
28	1	.000	133	133	100.0	.000	.000		
29	1	.000	33	33	100.0	.000	.000		
30	1	.000	138	138	100.0	.000	.000		
31	1	.000	2001	2001	100.0	.000	.000		
32	1	.000	1963	1963	100.0	.000	.000		
33	1	.000	2062	2062	100.0	.000	.000		
34	1	.000	1991	1991	100.0	.000	.000		
35	1	.000	2031	2031	100.0	.000	.000		
66	1	.000	2000	2000	100.0	.000	.000		
80	1	.000	59	59	100.0	.000	.000		
81	1	.000	135	135	100.0	.000	.000		
82	1	.000	135	135	100.0	.000	.000		
83	1	.000	135	135	100.0	.000	.000		
84	1	.000	42	42	100.0	.000	.000		
85	1	.000	18	17	94.4	1092.111	19658.000		
86	1	.000	71	71	100.0	.000	.000		
87	1	.000	28	28	100.0	.000	.000		
88	1	.000	133	133	100.0	.000	.000		
89	1	.000	21	21	100.0	.000	.000		
90	1	.000	138	138	100.0	.000	.000		
91	1	.000	135	135	100.0	.000	.000		
92	1	.000	42	42	100.0	.000	.000		
93	1	.000	71	71	100.0	.000	.000		
94	1	.000	133	133	100.0	.000	.000		
95	1	.000	138	138	100.0	.000	.000		
SAVERAGE TIME/TRANS = AVERAGE TIME/TRANS EXCLUDING ZERO ENTRIES									

** UTILIZATION STATISTICS OF NEXTMASTER AND BUS **

FACILITY	NUMBER ENTRIES	-AVERAGE UTILIZATION DURING-				CURRENT STATUS	PERCENT AVAILABILITY	TRANSACTION NUMBER	
		AVERAGE TIME/TRAN	TOTAL TIME	AVAIL. TIME	UNAVAIL. TIME			SEIZING	PREEMPTING
NXTMS	226610	35.923	.040				100.0	29	
BUS	226609	114.999	.130				100.0	31	

FULLWORD MATRIX ISTOR

ROW/COLUMN	1	2	3	4	5	6	7	8	9	10
6	ROWS 1-5, COLUMNS 1-10 ARE ZERO	0	0	0	7582194	2000	3555455	2000	528	68001
20	ROWS 7-19, COLUMNS 1-10 ARE ZERO	0	889528	59	24132	68	25415	68	87102	6712
21	0	0	0	0	0	0	34845	135	78265	4031
22	604339	135	0	0	69045	135	17480	135	110	675
23	0	0	106267	135	0	0	16519	135	3140	945
24	1461240	42	0	0	0	0	10695	42	12252	11314
25	0	0	883040	18	61460	16	4140	16	88213	6547
26	1945957	71	0	0	0	0	18515	71	26652	15036
27	0	0	1132407	28	19977	39	15180	39	54997	8484
28	3840120	133	0	0	0	0	36225	133	30128	28857
29	0	0	991454	21	17171	33	16445	33	56912	7120
30	3680112	138	0	0	0	0	35535	138	7829	28793
31	0	0	0	0	6500159	2000	0	0	990739	24001
32	0	0	0	0	504609	1963	0	0	8175	3926
33	0	0	0	0	530767	2062	0	0	7961	4124
34	0	0	0	0	517298	1991	0	0	8129	3982
35	0	0	0	0	521276	2031	0	0	7320	4062
ROWS 36-61, COLUMNS 1-10 ARE ZERO										

ROW/COLUMN 11

6	22000000	ROWS 1-5, COLUMNS 11-11 ARE ZERO
20	748000	ROWS 7-19, COLUMNS 11-11 ARE ZERO
21	7425000	
22	4455000	
23	4455000	
24	462000	
25	176000	
26	781000	
27	429000	
28	1463000	
29	363000	
30	1518000	
31	2200000	
32	2159300	
33	2268200	
34	2190100	
35	2234100	ROWS 36-61, COLUMNS 11-11 ARE ZERO

**** TOTAL RUN TIME (INCLUDING ASSEMBLY) = 2.89 MINUTES ****